

Ultralit[®]

HIGHEST LITHIUM CONTENT PRODUCTS
FOR FLOORING INDUSTRY

DENSIFIERS • SEALERS • REPAIR POLYMERS

DYES • CLEANERS

HARD • HARDER • MORE HARDER

Ultralit®

HARD • HARDER • MORE HARDER

ULTRALIT WORLDWIDE DISTRIBUTION is developer and manufacturer of premium chemicals for concrete hardening, sealing, repairs, cleaning.

ULTRALIT WORLDWIDE DISTRIBUTION is an owner of ULTRALIT trade mark.

As result of our research and development program we offer innovative products designed for construction and cleaning industry, taking into account our philosophy of highest quality ingredients in maximum concentration as our standard.

Manufactured based on experience and multiple tests, our products become more and more well-known among professionals in European Union, Asia and USA.

Our local distributors are the base of our success. They get information from the market, perform professional support and advise optimal solutions for final customers.

We keep strict strategy in development of our distribution network as the success of our distributors on local markets is our success.

With proud and honor we present all our range of products in this catalog.
Looking forward to cooperate with You.

President ULTRALIT WORLDWIDE DISTRIBUTION
Pawel Knecht

Contents

DENSIFIERS

ULTRALIT HARD ECO	7
ULTRALIT HARD STANDARD	9
ULTRALIT HARD PREMIUM	11
ULTRALIT HARD EXTRA	13

SEALERS

ULTRALIT GLOSS	17
ULTRALIT GLOSS PLUS	19
ULTRALIT OWR	21

REPAIR POLYMERS

ULTRALIT LATEX	25
ULTRALIT FIX STANDARD	27

DYES

ULTRALIT COLOREX	31
ULTRALIT COLORIN	35

CLEANERS

ULTRALIT BRILLIANT	41
ULTRALIT CLEAN	42
ULTRALIT CLEAN PLUS	43

STEP-BY-STEP APPLICATION INSTRUCTIONS FOR DIFFERENT KIND OF FINISHES	44
---	----

SERTIFICATES	46
--------------	----

DENSIFIERS



ULTRALIT HARD ECO

LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE
HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

ULTRALIT HARD ECO is a water-based lithium densifier used to densify, harden, dustproof new or existing concrete floors. Active lithium content of the product comes into chemical reaction with concrete components and form insoluble calcium silicate hydrate (CSH) that increases surface hardness, reduces dusting, makes maintenance of the floor easy. As the silicate-concrete chemical reaction is formed internally in upper layer of concrete, the protection of ULTRALIT HARD ECO is much more durable than traditional surface coatings and sealers, it will never peel or debond and is unaffected by moisture.

BENEFITS

- Lithium content – up to 8%.
- Active ingredients: 100% of total solids.
- Fast hardening and dustproofing – days instead of months.
- Can be applied to concrete of any age.
- Excellent penetration: 2-8 mm on steel trowled concrete.
- Increases abrasion resistance by 15-30%.
- Does not contribute to surface ASR or promote crazing.
- Good stain and water resistance.
- Does not change floor friction coefficient – no change of slip resistance.
- Very fast application: minutes instead of days.
- Cost Effective solution - the least expensive densifying system per m².
- Absolutely “GREEN” and Planet Safe, water based, no VOCs.

CAN BE APPLIED ON NEW OR ANY AGE CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants

- Schools and universities
- Medical facilities
- Office buildings
and others...

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.08
pH	10-11
Solids Content	8%
Active Content	100% of total solids
VOC Content	< 20 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	2 years in original, unopened package

PACKAGING



ULTRALIT HARD ECO
is packed in 5, 20, 30 liter cans;
200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- Freshly placed uncured concrete:
15-20 m²/L (50-65 mL/m²).
- Steel troweled cured concrete:
10-12 m²/L (85-100 mL/m²).
- Cured honed / polished concrete:
10-15 m²/L (65-100 mL/m²).

LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

APPLICATION

Precautions / Limitations:

- Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent ULTRALIT HARD ECO from penetrating the surface.
- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- In hot conditions, it may be necessary to spray water on hot concrete to cool the surface prior to application ULTRALIT HARD ECO.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT HARD ECO. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- There is no need for surface preparation when ULTRALIT HARD ECO is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue.
- In case of existing concrete remove all dirt, debris or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with a 100 to 400 grit diamond discs (recommended level of grinding for application of ULTRALIT HARD ECO) or diamond abrasive pad depending upon desired exposure and size of the aggregate.
- Using a low-pressure sprayer, apply a single coat of ULTRALIT HARD ECO at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 15-20 m²/L, in case of existing concrete - 10-15 m²/L. Treated surfaces should stay wet for 10-15 minutes following initial application. Uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with ULTRALIT HARD ECO prior to use. Treat porous areas that dry in less than 10 minutes with one more layer.
- Let treated surfaces dry thoroughly, typically 1 hour max.
- In case of freshly placed concrete immediately apply the specified curing

compound or initiate the specified curing procedure.

- On existing concrete to achieve desired glossy finish, use progressively finer diamond discs and continue grinding from 800 to 3000 grit.
- If the floor joints are to be filled after ULTRALIT HARD ECO has been applied, they must be thoroughly cleaned before installation of joint filler. Cleaning joints by circular concrete saw or a grinder equipped with a wire wheel is recommended.
- Surface is ready for use when dry, but the complete reaction may take up to two weeks to develop depending on site temperature and conditions.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT HARD ECO will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT HARD ECO is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT HARD STANDARD

LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

ULTRALIT HARD STANDARD is a water-based high solid lithium densifier used to densify, harden, dustproof new or existing concrete floors. Active lithium content of the product comes into chemical reaction with concrete components and form insoluble calcium silicate hydrate (CSH) that increases surface hardness, reduces dusting, makes maintenance of the floor easy. As the silicate-concrete chemical reaction is formed internally in upper layer of concrete, the protection of ULTRALIT HARD STANDARD is much more durable than traditional surface coatings and sealers, it will never peel or debond and is unaffected by moisture.

BENEFITS

- Highest lithium content in the industry – up to 11%.
- Active ingredients: 100% of total solids.
- Fast hardening and dustproofing – days instead of months.
- Can be applied to concrete of any age.
- Excellent penetration: 2-8 mm on steel trowled concrete.
- Increases abrasion resistance by 15-40%.
- Does not contribute to surface ASR or promote crazing.
- Good stain and water resistance.
- Does not change floor friction coefficient - no change of slip resistance.
- Very fast application: minutes instead of days.
- Cost Effective solution - the least expensive densifying system per m².
- Absolutely “GREEN” and Planet Safe, water based, no VOCs.

CAN BE APPLIED ON NEW OR ANY AGE CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants

- Schools and universities
- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.10
pH	10-11
Solids Content	11%
Active Content	100% of total solids
VOC Content	< 20 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	2 years in original, unopened package

PACKAGING



ULTRALIT HARD STANDARD is packed in 5, 20, 30 liter cans; 200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- Freshly placed uncured concrete: 15-20 m²/L (50-65 mL/m²).
- Steel troweled cured concrete: 10-12 m²/L (85-100 mL/m²).
- Cured honed / polished concrete: 10-15 m²/L (65-100 mL/m²).

ULTRALIT HARD STANDARD (continuation)

LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

APPLICATION

Precautions / Limitations:

- Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent ULTRALIT HARD STANDARD from penetrating the surface.
- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- In hot conditions, it may be necessary to spray water on hot concrete to cool the surface prior to application ULTRALIT HARD STANDARD.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT HARD STANDARD. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- There is no need for surface preparation when ULTRALIT HARD STANDARD is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue.
- In case of existing concrete remove all dirt, debris or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with a 100 to 400 grit diamond discs or diamond abrasive pad depending upon desired exposure and size of the aggregate.
- Using a low-pressure sprayer, apply a single coat of ULTRALIT HARD STANDARD at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 15-20 m²/L, in case of existing concrete - 10-15 m²/L. Treated surfaces should stay wet for 10-15 minutes following initial application. Uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with ULTRALIT HARD STANDARD prior to use. Treat porous areas that dry in less than 10 minutes with one more layer.
- Let treated surfaces dry thoroughly, typically 1 hour max.
- In case of freshly placed concrete

immediately apply the specified curing compound or initiate the specified curing procedure.

- On existing concrete to achieve desired glossy finish, use progressively finer diamond discs and continue grinding from 800 to 3000 grit.
- If the floor joints are to be filled after ULTRALIT HARD STANDARD has been applied, they must be thoroughly cleaned before installation of joint filler. Cleaning joints by circular concrete saw or a grinder equipped with a wire wheel is recommended.
- Surface is ready for use when dry, but the complete reaction may take up to two weeks to develop depending on site temperature and conditions.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT HARD STANDARD will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT HARD STANDARD is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT HARD PREMIUM

ADVANCED LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE
HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

ULTRALIT HARD PREMIUM is a water-based ultra-high solid lithium densifier used to densify, harden, dustproof new or existing concrete floors. Active lithium content of the product comes into chemical reaction with concrete components and form insoluble calcium silicate hydrate (CSH) that increases surface hardness, reduces dusting, makes maintenance of the floor easy. As the silicate-concrete chemical reaction is formed internally in upper layer of concrete, the protection of ULTRALIT HARD PREMIUM is much more durable than traditional surface coatings and sealers, it will never peel or debond and is unaffected by moisture.

BENEFITS

- Highest lithium content in the industry – up to 18%.
- Active ingredients: 100% of total solids.
- Fast hardening and dustproofing – days instead of months.
- Can be applied to concrete of any age.
- Excellent penetration: 2-8 mm on steel trowled concrete.
- Increases abrasion resistance by 20-50%.
- Does not contribute to surface ASR or promote crazing.
- Good stain and water resistance.
- Does not change floor friction coefficient – no change of slip resistance.
- Very fast application: minutes instead of days.
- Cost Effective solution - the least expensive densifying system per m².
- Absolutely “GREEN” and Planet Safe, water based, no VOCs.

CAN BE APPLIED ON NEW OR ANY AGE CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants
- Schools and universities

- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.12
pH	10-11
Solids Content	18%
Active Content	100% of total solids
VOC Content	< 20 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	2 years in original, unopened package

PACKAGING



ULTRALIT HARD PREMIUM is packed in 5, 20, 30 liter cans; 200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- Freshly placed uncured concrete: 15-25 m²/L (40-65 mL/m²).
- Steel troweled cured concrete: 10-15 m²/L (65-100 mL/m²).
- Cured honed / polished concrete: 10-20 m²/L (50-100 mL/m²).

ULTRALIT HARD PREMIUM (continuation)

ADVANCED LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

APPLICATION

Precautions / Limitations:

- Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent ULTRALIT HARD PREMIUM from penetrating the surface.
- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- In hot conditions, it may be necessary to spray water on hot concrete to cool the surface prior to application ULTRALIT HARD PREMIUM.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT HARD PREMIUM. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- There is no need for surface preparation when ULTRALIT HARD PREMIUM is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue.
- In case of existing concrete remove all dirt, debris or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with a 100 to 400 grit diamond discs or diamond abrasive pad depending upon desired exposure and size of the aggregate.
- Using a low-pressure sprayer, apply a single coat of ULTRALIT HARD PREMIUM at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 15-25 m²/L, in case of existing concrete - 10-20 m²/L. Treated surfaces should stay wet for 10-15 minutes following initial application. Uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with ULTRALIT HARD PREMIUM prior to use. Treat porous areas that dry in less than 10 minutes with one more layer.
- Let treated surfaces dry thoroughly, typically 1 hour max.
- In case of freshly placed concrete

immediately apply the specified curing compound or initiate the specified curing procedure.

- On existing concrete to achieve desired glossy finish, use progressively finer diamond discs and continue grinding from 800 to 3000 grit.
- If the floor joints are to be filled after ULTRALIT HARD PREMIUM has been applied, they must be thoroughly cleaned before installation of joint filler. Cleaning joints by circular concrete saw or a grinder equipped with a wire wheel is recommended.
- Surface is ready for use when dry, but the complete reaction may take up to two weeks to develop depending on site temperature and conditions.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT HARD PREMIUM will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT HARD PREMIUM is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT HARD EXTRA

ADVANCED LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

ULTRALIT HARD EXTRA is a water-based ultra-high solid lithium densifier used to densify, harden, dustproof new or existing concrete floors. Active lithium content of the product comes into chemical reaction with concrete components and form insoluble calcium silicate hydrate (CSH) that increases surface hardness, reduces dusting, makes maintenance of the floor easy. As the silicate-concrete chemical reaction is formed internally in upper layer of concrete, the protection of ULTRALIT HARD EXTRA is much more durable than traditional surface coatings and sealers, it will never peel or debond and is unaffected by moisture.

BENEFITS

- Highest lithium content in the industry – up to 24%.
- Active ingredients: 100% of total solids.
- Fast hardening and dustproofing – days instead of months.
- Can be applied to concrete of any age.
- Excellent penetration: 2-8 mm on steel trowled concrete.
- Increases abrasion resistance by 30-60%.
- Does not contribute to surface ASR or promote crazing.
- Good stain and water resistance.
- Does not change floor friction coefficient – no change of slip resistance.
- Very fast application: minutes instead of days.
- Cost Effective solution - the least expensive densifying system per m².
- Absolutely “GREEN” and Planet Safe, water based, no VOCs.

CAN BE APPLIED ON NEW OR ANY AGE CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers

- Manufacturing plants
- Schools and universities
- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.24
pH	10.0-11.0
Solids Content	24%
Active Content	100% of total solids
VOC Content	< 20 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	2 years in original, unopened package

PACKAGING



ULTRALIT HARD EXTRA is packed in 200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- Freshly placed uncured concrete: 20-30 m²/L (30-50 mL/m²).
- Steel troweled cured concrete: 10-15 m²/L (65-100 mL/m²).
- Cured honed / polished concrete: 10-20 m²/L (50-100 mL/m²).

APPLICATION

Precautions / Limitations:

- Always clean surface to remove any dirt, laitance, curing compounds or coatings

ULTRALIT HARD EXTRA (continuation)

ADVANCED LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE HIGHEST LITHIUM CONTENT IN THE INDUSTRY

that may prevent ULTRALIT HARD EXTRA from penetrating the surface.

- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- In hot conditions, it may be necessary to spray water on hot concrete to cool the surface prior to application ULTRALIT HARD EXTRA.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT HARD EXTRA. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- There is no need for surface preparation when ULTRALIT HARD EXTRA is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue.
- In case of existing concrete remove all dirt, debris or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with a 100 to 400 grit diamond discs (recommended level of grinding for application of ULTRALIT HARD EXTRA) or diamond abrasive pad depending upon desired exposure and size of the aggregate.
- Using a low-pressure sprayer, apply a single coat of ULTRALIT HARD EXTRA at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 20-30 m²/L, in case of existing concrete - 10-20 m²/L. Treated surfaces should stay wet for 10-15 minutes following initial application. Uniformly spread the product in a thin layer using a microfiber pad that should be premoistened with ULTRALIT HARD EXTRA prior to use. Treat porous areas that dry in less than 10 minutes with one more layer.
- Let treated surfaces dry thoroughly, typically 1 hour max.
- In case of freshly placed concrete immediately apply the specified curing

compound or initiate the specified curing procedure.

- On existing concrete to achieve desired glossy finish, use progressively finer diamond discs and continue grinding from 800 to 3000 grit.
- If the floor joints are to be filled after ULTRALIT HARD EXTRA has been applied, they must be thoroughly cleaned before installation of joint filler. Cleaning joints by circular concrete saw or a grinder equipped with a wire wheel is recommended.
- Surface is ready for use when dry, but the complete reaction may take up to two weeks to develop depending on site temperature and conditions.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT HARD EXTRA will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT HARD EXTRA is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

SEALERS



ULTRALIT GLOSS

HIGH-GLOSS, STAIN AND WEAR RESISTANT CONCRETE SEALER

DESCRIPTION

ULTRALIT GLOSS is a lithium, high-gloss, stain and wear resistant concrete sealer used for improving the sheen, hardness, chemical resistance of honed and polished concrete. Product presents double action: lithium silicates penetrate into concrete and harden it and at the same time polymeric components form a protective micro layer that is breathable, dense, will not peel or debond. ULTRALIT GLOSS enhances the color intensity of natural and cast stone, integrally colored, dyed, or acid stained decorative concrete. It also reduces efflorescence and mineral deposits making treated surfaces shinier and more attractive. Used in conjunction with a highspeed burnisher, ULTRALIT GLOSS eliminates the need for floor waxes, liquid polishes and conventional resin based coatings. Periodic recoating requires no stripping as the material doesn't build up on the floor surface.

BENEFITS

- Hardener and Sealer in one;
- Extremely high reactivity with high solids content of 21%;
- Active ingredients: 100% of total solids;
- Gives rapid and long-lasting shine / gloss and stain resistance to polished concrete;
- Enhances the color intensity of colored and stained concrete, maximizes light reflectance;
- Makes cleaning and maintenance of the floor easy;
- Cost Effective solution for concrete floors sealing;
- Absolutely "GREEN" and Planet Safe, water based.

CAN BE APPLIED ON CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants
- Schools and universities
- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Milky-white liquid
Specific Gravity	1.11
pH	11.0
Solids Content	21%
Active Content	100% of total solids
VOC Content	< 50 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING



ULTRALIT GLOSS is packed in 5, 20, 30 liter cans; 200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- First coat: 25-40 m²/L (25-40 mL/m²).
- Second and subsequent coats: 40-80 m²/L (12-25 mL/m²).

ULTRALIT GLOSS

HIGH-GLOSS, STAIN AND WEAR RESISTANT CONCRETE SEALER

(continuation)

APPLICATION

Precautions / Limitations:

- Use on interior surfaces only.
- Protect from freezing.
- Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent ULTRALIT GLOSS from penetrating the surface.
- Acid-stained concrete must be thoroughly neutralized before application of ULTRALIT GLOSS.
- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- Protect surfaces treated with ULTRALIT GLOSS from water for 72 hours minimum after application.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT GLOSS. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- Freshly laid concrete needs to be cured for 28 days before application of ULTRALIT GLOSS.
- In case of existing concrete (after 28 days of curing and more) remove all dirt, debris, or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with diamond discs or diamond abrasive pad depending upon desired exposure and size of the aggregate. Recommended level of grinding/honing/polishing before application of ULTRALIT GLOSS is 200-400 grit or higher.
- Using a low-pressure sprayer, apply a first coat of ULTRALIT GLOSS at a rate that covers the surface, but does not produce puddles. Uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with ULTRALIT GLOSS prior to use. Average coverage rate for first layer is 25-40 m²/L. Once dry, burnish the surface with high-speed burnishing equipment with polishing pads without diamonds. Be

sure that polishing pads can heat the floor surface up to 32°C, so ULTRALIT GLOSS can be melted. Apply second coat at the rate of 40-80 m²/L using a microfiber pad and repeat the burnishing. If necessary, apply third coat at the rate of 40-80 m²/L and burnish.

- Let treated surfaces dry thoroughly. Surface is ready for traffic typically within 1 hour.
- Protect surfaces treated with ULTRALIT GLOSS from water for 72 hours minimum after application.
- Surface is ready for use when dry, but maximum water and stain resistance will develop over 7 days.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT GLOSS will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT GLOSS is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT GLOSS PLUS

HIGH POLYMER CONTENT, HIGH-GLOSS STAIN, WEAR RESISTANT CONCRETE SEALER

DESCRIPTION

ULTRALIT GLOSS PLUS is a lithium, high-gloss, stain and wear resistant concrete sealer with high polymer content used for improving the sheen, hardness, chemical resistance of honed and polished concrete. Product presents double action: lithium silicates penetrate into concrete and harden it and at the same time polymeric components form a protective micro layer that is breathable, dense, will not peel or debond. ULTRALIT GLOSS PLUS enhances the color intensity of natural and cast stone, integrally colored, dyed, or acid stained decorative concrete. It also reduces efflorescence and mineral deposits making treated surfaces shinier and more attractive. Used in conjunction with a highspeed burnisher, ULTRALIT GLOSS PLUS eliminates the need for floor waxes, liquid polishes and conventional resin based coatings. Periodic recoating requires no stripping as the material doesn't build up on the floor surface.

BENEFITS

- Hardener and Sealer in one;
- High polymer content: best gloss, best stain resistance, best wear resistance;
- Extremely high reactivity with high solids content of 24%;
- Active ingredients: 100% of total solids;
- Gives rapid and long-lasting shine / gloss and stain resistance to polished concrete;
- Enhances the color intensity of colored and stained concrete, maximizes light reflectance;
- Makes cleaning and maintenance of the floor easy;
- Cost Effective solution for concrete floors sealing;
- Absolutely "GREEN" and Planet Safe, water based.

CAN BE APPLIED ON CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages

- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants
- Schools and universities
- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Milky-white liquid
Specific Gravity	1.15
pH	11.0
Solids Content	24%
Active Content	100% of total solids
VOC Content	< 50 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING



ULTRALIT GLOSS PLUS is packed in 5, 20, 30 liter cans; 200 liter drum; 1000 liter container

ESTIMATED COVERAGE RATES

- First coat: 25-40 m²/L (25-40 mL/m²).
- Second and subsequent coats: 40-80 m²/L (12-25 mL/m²).

ULTRALIT GLOSS PLUS (continuation)

HIGH POLYMER CONTENT, HIGH-GLOSS STAIN, WEAR RESISTANT CONCRETE SEALER

APPLICATION

Precautions / Limitations:

- Use on interior surfaces only.
- Protect from freezing.
- Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent ULTRALIT GLOSS PLUS from penetrating the surface.
- Acid-stained concrete must be thoroughly neutralized before application of ULTRALIT GLOSS PLUS.
- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- Protect surfaces treated with ultralit gloss plus from water for 72 hours minimum after application.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT GLOSS PLUS. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- Freshly laid concrete needs to be cured for 28 days before application of ULTRALIT GLOSS PLUS.
- In case of existing concrete (after 28 days of curing and more) remove all dirt, debris, or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with diamond discs or diamond abrasive pad depending upon desired exposure and size of the aggregate. Recommended level of grinding/honing/polishing before application of ULTRALIT GLOSS PLUS is 200-400 grit or higher.
- Using a low-pressure sprayer, apply a first coat of ULTRALIT GLOSS PLUS at a rate that covers the surface, but does not produce puddles. Uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with ULTRALIT GLOSS PLUS prior to use. Average coverage rate for first layer is 25-40 m²/L. Once dry, burnish the surface with high-speed burnishing equipment with polishing pads without diamonds. Be

sure that polishing pads can heat the floor surface up to 32°C, so ULTRALIT GLOSS PLUS can be melted. Apply second coat at the rate of 40-80 m²/L using a microfiber pad and repeat the burnishing. If necessary, apply third coat at the rate of 40-80 m²/L and burnish.

- Let treated surfaces dry thoroughly. Surface is ready for traffic typically within 1 hour.
- Protect surfaces treated with ultralit gloss plus from water for 72 hours minimum after application.
- Surface is ready for use when dry, but maximum water and stain resistance will develop over 7 days.
- Clean brushes, tools, equipment and sprayer with potable water immediately after use.

MAINTENANCE

Do not use acidic cleaners (with pH below 7) to maintain treated floors. Though ULTRALIT GLOSS PLUS will improve stain resistance of concrete floor, some acidic products may leave a stain if left on the surface. Clean up all spills promptly to minimize possible damage. Daily removal of surface dust with a microfiber pad or dry dust mop will help to maintain the desired appearance. Regular maintenance cleaning with auto scrubber will improve surface shine.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. This product is alkaline. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT GLOSS PLUS is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT OWR

SUB-SURFACE STAIN RESISTOR

DESCRIPTION

ULTRALIT OWR stain resistor repels both oil and water on most hard surface substrates, providing real stain protection without forming a typical film like “guard” stain protection. ULTRALIT OWR extremely small molecular size allows it to penetrate into dense, hard and non-porous surfaces creating a sub-surface barrier resistant to staining from many foods and chemicals.

BENEFITS

- Oil and food stain resistance.
- Excellent stain protector for industrial applications.
- Long-lasting protection.
- High coverage rate.
- Non-topical penetrating.
- Safe for surfaces that experience high traffic.
- Few instances of color change (slightly darkens concrete).
- Non Flammable.
- Treated surfaces “breathe” and do not trap moisture.
- Compatibility to bond with ULTRALIT colors and densifiers.
- Provides a chance to clean up spills before they stain or etch a surface.

CAN BE APPLIED ON

- Polished concrete
- Colored polished concrete
- Dry shake industrial floors
- Etc...

PHYSICAL PROPERTIES

Application	Spray and mop (microfiber)
Appearance	Clear
Shelf life	1 year
Solvent	Proprietary (non-hazard)

PACKAGING



Ultralit OWR is packed in 5, 20, 30 liter cans; 200 liter drum

COVERAGE RATES

- 30-50 m²/L (20-35 mL/m²).

APPLICATION

Surface preparation:

- **WARNING** – People, property, animals, plants and surfaces not intended to be stain-protected should be shielded from product, splash, overspray and wind drift using polyethylene sheeting or other proven protective material.
- New concrete should cure for 28 days.
- Thoroughly clean the surface that ULTRALIT OWR is to be applied to, removing all oil, dirt, and other contaminants. Vacuum and clean the surface with autoscrubber and fresh water, allowing it to dry thoroughly. Surfaces should dry for proper penetration.
- Caulking, patching and joint sealants should be installed before application, or joint preparation will be needed to ensure caulk adhesion.
- This product will not prevent water penetration through structural cracks, defects or open joints.
- Best results are obtained when application is performed on the concrete polished up to 400-1500 grit.

ULTRALIT OWR

SUB-SURFACE STAIN RESISTOR

(continuation)

Application procedure:

- Prior to starting, apply ULTRALIT OWR to sample area of each type of concrete to be treated, using application procedures proposed for the project. Confirm that concrete is receptive to ULTRALIT OWR. ULTRALIT HARD STANDARD or ULTRALIT HARD PREMIUM is recommended to expand ULTRALIT OWR coverage rates and added stain resistance.
- Preferred method of application is with a pump sprayer and microfiber pad.
- Ambient temperature should be 4-32°C during application. Do not apply over 32°C; avoid application on hot, windy days.
- ULTRALIT OWR provides the best protection when applied in a light “film” coat. Spray a light mist of ULTRALIT OWR onto concrete surface and immediately spread evenly with microfiber pad. Apply enough material to keep the surface wet for about a minute before penetrating; attain 100% coverage, without either dry streaking or puddling. Mop out any puddles thoroughly until they completely penetrate the surface.
- NOTE: For Vertical Surfaces apply enough material to thoroughly wet the surface in a uniform application. Do not allow rundown below the spray pattern.
- Burnish with a high speed burnisher, fitted with a 3000 grit or finer diamond-impregnated pad, or auto-scrub with white pad to remove surface haze.
- Chemical resistance gains strength over time. Avoid etching agents for seven days if possible.
- Areas that will be exposed to excessive, ongoing spills or extremely porous substrates may benefit from a second application of ULTRALIT OWR before burnishing.
- Floor is ready for light foot traffic when ULTRALIT OWR is dry to touch; protect treated surfaces from traffic for at least one hour. ULTRALIT OWR gains its chemical resistance and water repellency after 24 hours, and it cures fully within seven days. However, even after becoming densified and polished concrete is still a porous substrate.

SAFETY / HEALTH INFORMATION

Before using or handling this material, read the Material Safety Data Sheet. Eye, skin and gastro-intestinal tract and respiratory tract irritant. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists generated by this product. Use appropriate eye protection and chemical-resistant gloves. Material is not flammable, but if exposed to fire, material may produce irritating vapors and toxic gases (e.g., carbon dioxides and peroxides). Keep out of reach of children. Do not take internally.

CUSTOMER SUPPORT

ULTRALIT OWR is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

REPAIR POLYMERS





ULTRALIT LATEX

LIQUID PIN-HOLE, CRACK, IMPERFECTION FILLING GROUT

DESCRIPTION

ULTRALIT LATEX is a latex-based additive used for grouting and filling of holes, air voids, pop-outs in polished / honed concrete floors during grinding. Product is sprayed before the grinding machine, gets mixed with the dust and blocks all imperfections of the floor. ULTRALIT LATEX creates a smooth surface that polishes faster and easier. After application of ULTRALIT LATEX, floors accept densifiers, sealers, stains more evenly.

BENEFITS

- Easy application with quick curing.
- Improves polishing / honing.
- Perfect solution if You make polished concrete from low quality concrete.
- Makes cleaning and maintenance of the floor easy.
- Cost Effective solution for concrete floor imperfections grouting.
- Absolutely "GREEN" and Planet Safe, water based.

CAN BE APPLIED ON CONCRETE FLOORS OF

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants
- Schools and universities
- Medical facilities
- Office buildings and others...

PHYSICAL PROPERTIES

Form	Milky-white liquid
Specific Gravity	1.03
VOC Content	< 80 g/L
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING



ULTRALIT LATEX is packed in 5,20 liter cans; 200 liter drum

ESTIMATED COVERAGE RATES

- 5-10 m²/L (100-200 mL/m²) in dependence of floor quality.

APPLICATION

Precautions / Limitations:

- Protect from freezing.
- Apply only when temperatures will be above 5°C for at least 4 hours following application.
- Protect metal, glass, wood, paint or brick from contact with ULTRALIT LATEX. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- ULTRALIT LATEX should be applied during the final stage of metal grinding (usually 120 metals). For correct application of the product, grinding machine equipped with 120 metal diamonds should generate concrete dust. Disconnect the vacuum hose from the

LIQUID PIN-HOLE, CRACK, IMPERFECTION FILLING GROUT

grinder and check if machine generates enough dust. If no, return back to 50 or 70 metal diamonds.

- Spray a fine water mist on the surface.
- Using a low-pressure sprayer, apply ULTRALIT LATEX on the area of 3 meters in front of grinding machine. Grind over saturated floor until dry. ULTRALIT LATEX will combine with the dust being created by the 120 grit diamonds and be forced into holes created by air bubbles and pulled-out aggregate.
- Let the floor dry for 3-6 hours for curing reasons before continuing on with one more grinding step with 120 grit metal diamonds. After perform polishing according to specification.
- Clean brushes, tools, sprayer with potable water immediately after use. Immediate cleaning of grinding machine and diamonds is of high importance!

SAFETY / HEALTH INFORMATION

Keep out of reach of children. Do not drink. If swallowed, drink large quantities of water. Do not induce vomiting. Seek medical attention immediately. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and seek medical attention if irritation persists. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT LATEX is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT FIX STANDARD

REPAIR POLYMER AND CONCRETE PRIMER

DESCRIPTION

ULTRALIT FIX STANDARD is a specially formulated polymer rapid repair product. In its basic low viscosity formulation, ULTRALIT FIX STANDARD may be used in a variety of unique applications to repair concrete substrates. It is designed for use in both interior and exterior concrete repair and parging situations.

BENEFITS

- Ultra low viscosity in neat configuration will penetrate concrete for permanent bond
- Cures in 30 minutes for quick open to traffic
- Can cure in -34°C. Cure time will be extended at lower temperatures
- Mixed with industrial quartz sand will make a durable polymer concrete
- May be mixed with silica flour, fumed silica and cabosil
- Self-leveling in thinner viscosities

- Minimal surface preparation required
- Good chemical resistance
- May be bulk mixed for large area repairs

IDEAL FOR APPLICATIONS IN

- Repairing spalls and cracks in traffic areas
 - Restoring integrity to dusted concrete
 - Filing bug-holes on horizontal surfaces
 - Used as a parging compound on horizontal surfaces to smooth concrete and masonry
 - Bridge deck repairs
 - Below grade repairs
 - Spalled control joints
 - Freezer applications
 - Polishing concrete floors
- and others...

PHYSICAL PROPERTIES

(Typical) 1:1 Mix Ratio		
Cured Film Properties	Test Method	Typical Value
Color		Amber/white
Solids content		61%
The following properties are typical after maintaining cured product at 21-25°C for 4 days:		
Shore D hardness	ASTM D2240	60 - 65
Elongation	ASTM D412	6%
Tear Strength (lb./in.)	ASTM D624	180 - 220
Tensile strength, MPa	ASTM D412	22-27 MPa
Tensile Elongation (%)	ASTM D638	4 - 5
Modulus of Elasticity (kpsi)	ASTM D638	150 - 200
Compressive strength, neat	ASTM D638	26 MPa
Compressive strength, sand filled	ASTM D695	31 MPa
Taber abrasion, mg wt. loss (1,000 g, 1,000 revs., H-18)	ASTM D4060	900 - 1,000
Shrinkage	ASTM D695	None
Bond strength, concrete	ASTM D4541	Concrete failure
Viscosity, cps, neat, 25°C		25
VOC	Theoretical	38%
Pot life @ 25°C		2 - 3 minutes
Tack free @ 25°C		15 minutes
Open to traffic		30 minutes
Working time		2 - 3 minutes, 5 - 6 minutes with aggregate
Shelf life		One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 18°-35°C

ULTRALIT FIX STANDARD (continuation)

REPAIR POLYMER AND CONCRETE PRIMER

PACKAGING



ULTRALIT FIX STANDARD is packed in 2 liter kits (1 liter pail of component "A" and 1 liter pail of component "B"), 10 liter kits, 20 liter kits

MIXING

ULTRALIT FIX STANDARD is a two-component product. When mixing material, thoroughly mix each side prior to combining "B" side into "A" side.

APPLICATION

Surface Preparation:

- Provide clean and dry concrete surface. When restoring surface integrity to dusted concrete, remove loose surface material. Abrasive blast or abrade surface is recommended. Protect from freezing.

Application procedure:

- Used as a primer: carefully pour/dispense material into properly prepared area. Protect surrounding areas from excess material. Spread as necessary with squeegee and allow to dry.
- May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush to 0,13 to 0,25 mm wet.

- Used in patching applications: holes, divots, pop outs and re-nosing of joints. Dry aggregate needs to be mixed into ULTRALIT FIX STANDARD ("A" and "B" already mixed 1:1) or at a 3 to 1 ratio (aggregate to ULTRALIT FIX STANDARD), but not more than 4 to 1. 0,6-0,85 mm aggregate is ideal size. Trowel as necessary and allow to dry.

- ULTRALIT FIX STANDARD is not to be used on non-porous substrates. ULTRALIT FIX STANDARD can be top coated if desired, follow proper surface preparation procedures.

Clean up:

- Cured product may be disposed of without restriction. Excess liquid "A" and "B" material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

SAFETY / HEALTH INFORMATION

Keep out of reach of children. Do not drink. Keep container closed tightly when not in use. Wear long sleeve overalls, goggles and rubber gloves, rubber or leather boots. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

CUSTOMER SUPPORT

ULTRALIT FIX STANDARD is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.



ULTRALIT COLOREX

COLORANT FOR EXTERIOR AND INTERIOR CURED CONCRETE

DESCRIPTION

ULTRALIT COLOREX Colorant is a fast, easy way to apply color to many type of interior and exterior concrete. It provides durable color by bonding proven color pigments to the concrete with integral silicate hardener, eliminating the hazards and long wait times of acid stains. It is ideal for porous concrete finishes such as broom-finished or stamped concrete, including pavements, porches, patios, driveways, sidewalks and pool decks. ULTRALIT COLOREX Colorant can also be used for interior concrete such as garage floors, and can be applied to other cementitious surfaces.

BENEFITS

- Can be applied to exterior and interior concrete
- UV stable pigments
- Fast application, no 3-hour dwell time
- Penetrating and durable
- Water-based
- Easy to apply
- Can be applied to most cementitious surfaces
- Concentrated for easy shipping and storage
- Easy to clean and maintain
- Low VOC (< 40 g/L)

IDEAL FOR APPLICATIONS IN

- Parking garages
- Warehouses
- Patios
- Driveways
- Sidewalks
- Pool decks
- and others...

COMPOSITION

ULTRALIT COLOREX Colorant is a liquid suspension of a proprietary pigment, polymer and polysilicate lithium salt. It is an odorless liquid concentrate. Appearance varies with different available colors. ULTRALIT COLOREX Colorant penetrates concrete surfaces and reacts with lime (calcium hydroxide) in the concrete to form insoluble calcium-silicate-hydrates (CSH) crystals that bond colorant to concrete. By consuming lime, it also reduces or eliminates efflorescence that can disfigure concrete surfaces. The colorant introduces color into the concrete surface and can be applied multiple times to build up color.

PACKAGING



ULTRALIT COLOREX is packed in 0,23; 0,9 liter cans

APPLICATION

Limitations:

- New concrete must cure for at least 28 days before application.
- While in most cases the ULTRALIT COLOREX system will extend resistance to color fading or dissipating, due to variables in application, maintenance and the concrete itself, appearance may change over time.

Preparation:

- Warning: People, property, vehicles, animals, plants and all surfaces not intended to be dyed should be protected from the product, splash, overspray and wind drift, using polyethylene sheeting or other proven protective material. If design requires discreet areas of color, mask adjoining areas, lining color edges with painter's tape or similar adhesive masking material. Surfaces, animals or clothing

COLORANT FOR EXTERIOR AND INTERIOR CURED CONCRETE

contacted by dye may be permanently colored.

- New slabs must have cured for at least 28 days before application. Do not apply if concrete is frozen, dirty or has standing water. Test surface absorbency with a light water spray – concrete surface should wet uniformly. If concrete does not wet uniformly, remove any surface contaminants with appropriate cleaning treatment or mechanical process. Surfaces should be clean, structurally sound and free of all foreign materials including sealants, adhesives, bond breakers, curing compounds, curing agents, surface grease and oil and construction debris. Ground or sanded surfaces should be vacuumed thoroughly.

Mixing:

- ULTRALIT COLOREX Colorant is shipped as a concentrate. Dilute with ULTRALIT HARD STANDARD.
- Pour contents of ULTRALIT COLOREX concentrate container 0.23L into 5L plastic bucket. Add 3.8L of ULTRALIT HARD STANDARD to make 4.0 L working solution.
- Pour contents of ULTRALIT COLOREX concentrate container 0.9L into 20 L plastic bucket. Add 19.1L of ULTRALIT HARD STANDARD - to make 20.0 L working solution.
- On troweled concrete, product will cover approximately 15-20 m²/L and 7-10 m²/L on porous concrete. Highly absorbent concrete, such as exterior broom finished concrete, may lower the coverage rate.

Testing:

- Prior to starting project, apply ULTRALIT COLOREX System to sample area of each type of concrete to be treated, using applications procedures proposed for project. Confirm that concrete is receptive to dye and that color is acceptable. Ambient temperature during application should be 4-32°C.

Application procedure for porous concrete (broom finished, stamped, etc.):

- Surface preparation: concrete must be cleaned with power washer or other method. Remove all debris, stains, sealers and coatings. Concrete must be thoroughly dry before ULTRALIT COLOREX application.

- Equipment: apply ULTRALIT COLOREX Colorant using low pressure sprayer with conical mist tip.
- Spray a light first application of product. After one hour, or when dry, spray a second application, if needed. Move sprayer in direction at 90 degrees from first application. If a darker color is desired, wait another hour before spraying third application. Do not broom ULTRALIT COLOREX Colorant.
- Clean up tools and overspray with water before product dries.
- Allow product to dry.
- ULTRALIT COLOREX Colorant application must be protected with an appropriate sealer or stain protector. For exterior concrete, apply any acrylic sealer for outside jobs. For interior concrete, apply ULTRALIT GLOSS or ULTRALIT GLOSS PLUS. Use according to manufacturer's directions.

Application procedure for non-porous concrete (troweled finish):

- Surface preparation: prior to application of ULTRALIT COLOREX Colorant, slab must be diamond ground with progressively finer abrasives up to a 150 grit metal bond profile or equivalent.
- Equipment: apply ULTRALIT COLOREX Colorant using low pressure sprayer fitted with conical mist tip.
- Spray a light first application of product. After one hour, or when dry, spray a second application, if needed. Move sprayer in direction at 90 degrees from first application. If a darker color is desired, wait another hour before spraying third application. Do not broom ULTRALIT COLOREX.
- Clean up tools or any overspray with water before product dries.
- Allow product to dry.
- ULTRALIT COLOREX Colorant application must be protected with an appropriate sealer or stain protector. For exterior concrete, apply any acrylic sealer for outside jobs. For interior concrete, apply ULTRALIT GLOSS or ULTRALIT GLOSS PLUS. Use according to manufacturer's directions.

Application procedure for abbreviated polish finish:

- Pigment-based ULTRALIT COLOREX Colorant can achieve better hiding of

COLORANT FOR EXTERIOR AND INTERIOR CURED CONCRETE

concrete's natural color than transparent dyes, and can be used to achieve a colored floor with an appearance similar to a full diamond polish.

- Surface preparation: prior to application of ULTRALIT COLOREX Colorant, slab must be diamond ground with progressively finer abrasives up to a 150 grit metal bond profile or equivalent.
- Sprayer: low pressure sprayer fitted with conical mist tip.
- Spray a light first application of product. After one hour, or when dry, polish with 1500 grit or higher diamond-impregnated pad under a high speed burnisher or grinder/polishing machine.
- Spray a second application of ULTRALIT COLOREX Colorant. Move sprayer in direction at 90 degrees from first application. Follow with polishing with a 1500 grit or higher diamond pad just as after the first application. If a darker color is desired, wait another hour before spraying third application and repeat polishing step as before. Do not broom ULTRALIT COLOREX.
- Clean up tools or any overspray with water before product dries.
- ULTRALIT COLOREX Colorant application must be protected with an appropriate sealer or stain protector. For exterior concrete, apply any acrylic sealer for outside jobs. For interior concrete, apply ULTRALIT GLOSS or ULTRALIT GLOSS PLUS. Use according to manufacturer's directions.

MAINTENANCE

- Remove dust and debris with broom, vacuum, water hose, mop or autoscrubber.
- Spills of staining agents or acidic etching agents including acidic food substances (e.g. vinegar, pickle juice) should be cleaned up immediately to minimize damage to surface.

- Do not use with acidic cleaners.
- Renew sealer or stain protector every two years, or more frequently if needed.

SAFETY / HEALTH INFORMATION

Warning: before using product, read material safety data sheet. Alkaline concentrate: contact can quickly damage eyes, skin and other body tissues. Handle with care. Eye, skin, respiratory tract and digestive tract irritant. Do not take internally. Keep out of reach of children. Spray mist is respiratory tract irritant. Use only with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, clothing. Products are not flammable, but if involved in a fire, may produce irritating vapors and toxic gases (e.g., carbon oxides and copper and iron oxides). Possible developmental hazard: contains lithium, may adversely affect developing fetus. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemical-resistant gloves. Ensure fresh air flow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted vapor respirator, used according to manufacturer's directions, during application and drying.

CUSTOMER SUPPORT

ULTRALIT COLOREX Colorant is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT COLOREX

(continuation)

COLOR CHART



4101

4102

4103

4104

4105



4106

4107

4108

4109

4110



4111

4112

4113

4114

4115



4116

4117

4118

4119

4120



4121

4122

4123

4124

4125

ULTRALIT COLORIN

CONCRETE DYE CONCENTRATE FOR INTERIOR USE

DESCRIPTION

ULTRALIT COLORIN Dye is part of the three-component Color System designed specifically for coloring and polishing concrete floors. To obtain optimum performance, all three components: ULTRALIT COLORIN Dye, ULTRALIT HARD and ULTRALIT GLOSS / ULTRALIT GLOSS PLUS should be used together to lock in colors for long term beauty. Dye concentrate may be diluted in acetone or water.

BENEFITS

- ULTRALIT COLORIN Dye provides consistent color that penetrates the surface layer deeply, and is reactive with concrete, forming a bond that locks color into slab, minimizing color migration or diffusion
- Bonds with the other ULTRALIT COLOR System components to protect color in slab
- Is available in a broad range of vibrant colors
- Contains UV stabilizer to help protect colorants in concrete against fading
- Liquid concentrate eliminates 3-hour wait to dissolve dye required by other products
- VOC compliant (< 40 g/L)

IDEAL FOR APPLICATIONS IN

- Shopping malls
- Supermarkets
- Parking garages
- Airport hangars
- Warehouses
- Distribution centers
- Manufacturing plants
- Schools and universities
- Medical facilities
- Office buildings and others...

COMPOSITION

ULTRALIT COLORIN Dye is a concentrated liquid dispersion of nano-sized colorant particles. It is designed to be diluted by the user with acetone or water, in a ratio of 1:16. ULTRALIT COLORIN Dye penetrates concrete surfaces and reacts with the concrete to form chemical bonds between the colorant and the concrete matrix. It contains a UV stabilizer to minimize fading. It chemically bonds to Ultralit Hard Densifier to lock color into the slab.

PACKAGING



ULTRALIT COLORIN is packed in 0,23; 0,9 liter cans

APPLICATION

Limitations:

- New concrete must cure for at least 28 days before application.
- Not intended for exterior applications.
- While in most cases the ULTRALIT COLORIN system will extend resistance to color fading or dissipating, due to variables in application, maintenance and the concrete itself, appearance may change over time.

Preparation:

- Warning: People, property, vehicles, animals, plants and all surfaces not intended to be dyed should be protected from the product, splash, overspray and wind drift, using polyethylene sheeting or other proven protective material. If design requires

ULTRALIT COLORIN

(continuation)

CONCRETE DYE CONCENTRATE FOR INTERIOR USE

discreet areas of color, mask adjoining areas, lining color edges with painter's tape or similar adhesive masking material. Surfaces, animals or clothing contacted by dye may be permanently colored.

- New slabs must have cured for at least 28 days before application. Do not apply if concrete is frozen, dirty or has standing water. Test surface absorbency with a light water spray – concrete surface should wet uniformly. If concrete does not wet uniformly, remove any surface contaminants with appropriate cleaning treatment or mechanical process. Surfaces should be clean, structurally sound and free of all foreign materials including sealants, adhesives, bond breakers, curing compounds, curing agents, surface grease and oil and construction debris. Ground or sanded surfaces should be vacuumed thoroughly. Acid-stained concrete should be neutralized and rinsed before application of ULTRALIT COLORIN dye.

Mixing:

- ULTRALIT COLORIN Dye is mixed with acetone or water.
- Pour contents of ULTRALIT COLORIN concentrate container 0.23 L into 5 L plastic bucket. Add 3.8 L of water or acetone to make 4.0 L working solution.
- Pour contents of ULTRALIT COLORIN concentrate container 0.9 L into 20 L plastic bucket. Add 19.1 L of water or acetone - to make 20.0 L working solution.
- On honed concrete, product will cover approximately 7-10 m²/L.

Testing:

- Prior to starting project, apply ULTRALIT COLOR System to sample area of each type of concrete to be treated, using applications procedures proposed for project. Confirm that concrete is receptive to dye and that color is acceptable. Ambient temperature during application should be 4-38°C.

Application procedure:

- Equipment: Spray apply ULTRALIT COLOR System using low pressure sprayer with conical mist tip, microfiber floor finish applicator pad.
- Grind up to 200 grit resin bond diamonds (If not using a 200 grit step, grind up to 100 grit resins).
- Remove all dust and debris. If wet cleaning is performed, allow surfaces to dry.
- Vacuum surface thoroughly.

- Spray ULTRALIT COLORIN Dye mixture to lightly wet surface without creating puddles. Apply in a consistent, overlapping circular motion, holding the wand approximately 30-45 cm above the surface. Dye will absorb into concrete more quickly in some places than others. This is normal and does not indicate that extra dye is needed.
- For acetone-dye mixtures, immediately upon completion of application, run clear acetone through the pump and wand, followed by clean water. For water-dye mixtures, clean with water only. This is recommended between color changes and prior to storing the sprayer between jobs.
- Allow surface to dry.
- Spray ULTRALIT HARD STANDARD in an overlapping motion. Lightly use applicator to spread the mix evenly on surface. Avoid puddles. Product does not need vigorous scrubbing-in and will not form a gel. As product is absorbed into surface, apply additional product as needed until floor starts to reject the product. Over-application or puddles of excess material will lengthen drying time, and may produce white surface residue that must be removed immediately.
- Clean equipment with fresh water before product dries. Overspray on unprotected surfaces should be immediately washed off.
- Allow surface to dry.
- Polish up to 400 grit resin bond diamonds.
- Apply ULTRALIT COLORIN Dye mixture again for maximum color, using same method as above, if needed.
- Clean sprayer.
- Allow surface to dry.
- Remove dye residue with an autoscrubber fitted with a white pad and water. Perform white-rag test to assure that residue is removed. Wipe a dry white rag across the floor. A light tinge of residual color on the rag is acceptable, but any strong color indicates that excessive dye must still be removed. Unremoved dye residue will load resin diamonds and may produce undesirable marks.
- Polish with 800 grit resins, and 1500 grit or 3000 grit if desired.
- Apply ULTRALIT GLOSS / ULTRALIT GLOSS PLUS following manufacturer's instructions to complete protection and enhance appearance. ULTRALIT GLOSS/ ULTRALIT GLOSS PLUS is strongly recommended for all colored polished concrete to protect color from staining or acidic etching agents, as well as minimizing

ULTRALIT COLORIN

(continuation)

CONCRETE DYE CONCENTRATE FOR INTERIOR USE

color loss through diffusion or dispersion. Chemical resistance gains strength over time. Avoid chemical exposure for first 7 days.

MAINTENANCE

- Remove dust and debris with microfiber pad or dry mop. Buff dry with high speed burnisher to enhance sheen.
- Spills of staining agents or acidic etching agents including acidic food substances (e.g. vinegar, pickle juice) should be cleaned up immediately to minimize damage to surface.
- Surface should be cleaned regularly using an automatic floor scrubber.
- Do not use with acidic cleaners. Autoscrubber should be fitted with non-aggressive cleaning tools such as brushes.
- Do not perform regular maintenance with aggressive pads such as diamond-impregnated pads or other abrasives. Use of aggressive pads will wear away stain protection and may, in time, wear away color from concrete surface.
- Renew ULTRALIT GLOSS / ULTRALIT GLOSS PLUS application every two years or more often depending on wear and usage conditions.

SAFETY / HEALTH INFORMATION

Before using or handling this material, read the Material Safety Data Sheet. For Dilution with Acetone: ULTRALIT COLORIN Dyes are highly flammable when mixed with acetone.

great care should be taken when using this product! Acetone will produce vapors that are highly flammable and can be harmful to the applicator's health. Make sure rooms are properly ventilated. Open windows and use fans to achieve air movement. Non-explosive exhaust devices may be required in areas with poor ventilation. Make absolutely certain no source of open flame is present. Pilot lights, heaters, cigarettes and electric tools should not be used or turned on until all vapors have dissipated. Always wear a carbon filter respirator, eye protection and chemical resistant gloves. Devices are available to measure acetone vapors. Avoid contact with skin, eyes, and clothing: may permanently stain. Keep out of reach of children. Do not take internally.

CUSTOMER SUPPORT

ULTRALIT COLORIN Dye is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT COLORIN

(continuation)

CONCRETE DYE CONCENTRATE FOR INTERIOR USE

COLOR CHART



CLEANERS





ULTRALIT BRILLIANT

MAINTENANCE GLOSSY CLEANER FOR AUTOSCRUBBERS

DESCRIPTION

ULTRALIT BRILLIANT is surface-active, low-foaming maintenance cleaner designed for the protective treatment of floor coverings with autoscrubber. The maintenance substances left on the surface dry streak-free and form a solid, glossy and non-slip protective layer. Thanks to the impermeability of the coating and the high dirt resistance, heel marks only occur sporadically and can be easily removed. Using ULTRALIT BRILLIANT regularly with an autoscrubber renews the maintenance substances and prevents an excessive build-up of coatings.

CAN BE APPLIED ON

Suitable for use on all water-resistant, hard and resilient floor coverings such as PVC, linoleum, rubber, polyolefin, concrete/polished concrete, dry shake, marble, terrazzo tiles, casting resin as well as on coated floors.

PHYSICAL PROPERTIES

pH value (concentrate): approx. 8
pH value (ready-to-use solution) approx. 7

PACKAGING



Ultralit BRILLIANT
is packed in
10, 20 liter cans

COVERAGE RATES

Mechanical wet cleaning: 2 mL/m²

APPLICATION

- Routine cleaning (mechanical wet cleaning): dilute 100-400 mL in 10 litres of cold water, depending on the degree of dirt or desired maintenance level.

Polishing the surface occasionally (approx. 1,000 r.p.m.) intensifies the maintenance properties, eliminates traffic traces, and increases durability.

SAFETY / HEALTH INFORMATION

Before using or handling this material, read the Material Safety Data Sheet. Eye, skin and gastro-intestinal tract and respiratory tract irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. Do not take internally.

CUSTOMER SUPPORT

ULTRALIT BRILLIANT is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT CLEAN

MAINTENANCE HARDENING CLEANER FOR AUTOSCRUBBERS

DESCRIPTION

ULTRALIT CLEAN effectively removes general dirt as well as grease and oil common in assembly shops and garages of the motor vehicle and metal industry as well as on any industrial flooring. Both when manually and mechanically applied, Ultralit Clean offers excellent reticulation properties and is low foaming. ULTRALIT CLEAN is free from phosphate, chlorine, complexing agents and silicone, and therefore corresponds to environmental protection standards. Having small content of active lithium inside, constantly hardens and dustproofs Your floor.

CAN BE APPLIED ON

Suitable for use on all alkali-resistant and water-resistant industrial floors, such as concrete, cementitious screed, hard baked brick, clay floor tiles "cotto", stoneware tiles, epoxy resin floors and asphalt slabs. Not suitable for linoleum or rubber floors!

PHYSICAL PROPERTIES

pH value (concentrate): approx. 12
pH value (ready-to-use solution) approx. 10

PACKAGING



Ultralit CLEAN
is packed in
10, 20 liter cans

COVERAGE RATES

Wiping / mechanical wet cleaning: 1-2 mL/m²
Intensive cleaning: 2-5 mL/m²

APPLICATION

- Routine cleaning (wiping / mechanical wet cleaning): Dilute 100-200 mL in 10 litres of cold water, depending on the degree of dirt.
- Intensive cleaning: Dilute 200-500 mL in 10 litres of cold water, depending on the degree of dirt. Distribute the cleaning solution, scrub, vacuum and rinse with clear water.

SAFETY / HEALTH INFORMATION

Before using or handling this material, read the Material Safety Data Sheet. Eye, skin and gastro-intestinal tract and respiratory tract irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. Do not take internally.

CUSTOMER SUPPORT

ULTRALIT CLEAN is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.

ULTRALIT CLEAN PLUS

HIGH-PERFORMANCE MAINTENANCE HARDENING CLEANER FOR AUTOSCRUBBERS

DESCRIPTION

ULTRALIT CLEAN PLUS a highly-alkaline industrial cleaning concentrate designed for the removal of stubborn dirt. Thanks to the high cleaning performance, the product quickly dissolves industrial dirt, oil and grease and allows for a fast cleaning process. Having small content of active lithium inside, constantly hardens and dustproofs Your floor.

CAN BE APPLIED ON

Suitable for use on all water-resistant and alkali-resistant industrial floor coverings. Do not use on coated floor coverings, linoleum or rubber!

PHYSICAL PROPERTIES

pH value (concentrate): approx. 13
pH value (ready-to-use solution) approx. 11,5

PACKAGING



Ultralit CLEAN PLUS
is packed in
10, 20 liter cans

COVERAGE RATES

Wiping / mechanical wet cleaning: 0,3 mL/m²
Stripping: 2,5 mL/m²

APPLICATION

- Routine cleaning (wiping / mechanical wet cleaning): Dilute 30-100 mL in 10 litres of cold water, depending on the degree of dirt.
- Stripping: Dilute 100-200 mL in 10 litres of cold water, depending on the degree of dirt.

SAFETY / HEALTH INFORMATION

Before using or handling this material, read the Material Safety Data Sheet. Eye, skin and gastro-intestinal tract and respiratory tract irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. Do not take internally.

CUSTOMER SUPPORT

ULTRALIT CLEAN PLUS is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu

STEP-BY-STEP APPLICATION INSTRUCTIONS FOR DIFFERENT KIND OF

(detailed application instructions for particular ULTRALIT product can be found in PDS

New Concrete (densifying needed)	New Concrete (densifying and sheen needed)	New Concrete (densifying and gloss needed)
<ol style="list-style-type: none"> 1. Do Your best in trowelling of concrete surface with metal blades. 2. Cover concrete with foil. 3. Before cutting of joints (typically second day after concreting) apply 30-50 ml/m² of Ultralite Hard Standard or Premium. 4. Cut joints after surface is tack-free (typically 2-3 hours after densifier application) and cover concrete with foil. 5. Apply 50-100 ml/m² of Ultralite Hard Standard or Premium on 14th day after concreting. 	<ol style="list-style-type: none"> 1. Do Your best in trowelling of concrete surface with metal blades. 2. Cover concrete with foil. 3. Before cutting of joints (typically second day after concreting) apply 30-50 ml/m² of Ultralite Hard Standard or Premium. 4. Cut joints after surface is tack-free (typically 2-3 hours after densifier application) and cover concrete with foil. 5. Apply 50-100 ml/m² of Ultralite Hard Standard or Premium on 14th day after concreting. 6. Burnish the floor with high-speed propane burnisher equipped with diamond abrasive pads to achieve a nice sheen. 	<ol style="list-style-type: none"> 1. Concrete should be 28 days old. 2. Establish starting grinding point in dependence of surface quality and desired aggregate exposure. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically start grinding with #30 grit metal diamonds. 4. Grind with #50 grit metal diamonds. 5. Check surface for imperfections. If pin-holes repairs needed, use Ultralite Latex. 6. Grind with #100 grit metal diamonds and apply Ultralite Latex (50-200 ml/m²) in front of the grinder. Let the mix on the floor dry for 3-4 hours. 7. Repeat grinding with #100 grit metal diamonds. 8. Polish the floor with #100 resin diamonds. 9. Apply 80-100 ml/m² of Ultralite Hard Standard or Premium. Let it dry for 1 hour. 10. Polish the floor with #200 resin diamonds. 11. Polish the floor with #400 resin diamonds. 12. Polish the floor with #800 resin diamonds. 13. If more gloss required, continue with #1500 resin diamonds. If not, skip to step 15. 14. Polish the floor with #3000 resin diamonds. 15. Apply 2 coats of Ultralite Gloss (20-30 ml/m² per each coat). Burnish each application with high-speed propane burnisher equipped with woven pads to achieve a perfect gloss. 16. Keep the floor from contact with water for 72 hours minimum!

ULTIMATE DENSIFICATION
<http://>

Old concrete (dustproofing needed)	Old concrete (dustproofing and sheen needed)	Old concrete (dustproofing and gloss needed)
<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Schmidt hammer. Application on concretes below 20 MPa can be not effective. 2. If surface is hard and smooth, go to step 3. If not, perform grinding with metal diamonds to remove weak upper layer of concrete. 3. Clean the surface with autoscrubber. 4. Saturate the floor with Ultralit Hard Premium (100-200 ml/m²). 5. Let it dry and autoscrub again to remove any residues from the surface. 	<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Schmidt hammer. Application on concretes below 20 MPa can be not effective. 2. Establish starting grinding point in dependence of surface quality. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically, start with #50 or #100 metals or #100 resin diamonds. Use Ultralit Latex on #100 metals if needed. 4. Clean the surface with autoscrubber. 5. Apply 80-100 ml/m² of Ultralit Hard Standard or Premium. Let it dry for 1 hour. 6. Burnish the floor with high-speed propane burnisher equipped with diamond abrasive pads to achieve a nice sheen. 	<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Schmidt hammer. Application on concretes below 20 MPa can be not effective. 2. Establish starting grinding point in dependence of surface quality and desired aggregate exposure. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically start grinding with #30 grit metal diamonds. 4. Grind with #50 grit metal diamonds. 5. Check surface for imperfections. If pin-holes repairs needed, use Ultralit Latex. 6. Grind with #100 grit metal diamonds and apply Ultralit Latex (50-200 ml/m²) in front of the grinder. Let the mix on the floor dry for 3-4 hours. 7. Repeat grinding with #100 grit metal diamonds. 8. Polish the floor with #100 resin diamonds. 9. Apply 80-100 ml/m² of Ultralit Hard Standard or Premium. Let it dry for 1 hour. 10. Polish the floor with #200 resin diamonds. 11. Polish the floor with #400 resin diamonds. 12. Polish the floor with #800 resin diamonds. 13. If more gloss required, continue with #1500 resin diamonds. If not, skip to step 15. 14. Polish the floor with #3000 resin diamonds. 15. Apply 2 coats of Ultralit Gloss (20-30 ml/m² per each coat). Burnish each application with high-speed propane burnisher equipped with woven pads to achieve a perfect gloss. 16. Keep the floor from contact with water for 72 hours minimum!



NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
- PAŃSTWOWY ZAKŁAD HIGIENY
NATIONAL INSTITUTE OF PUBLIC HEALTH
- NATIONAL INSTITUTE OF HYGIENE
ZAKŁAD HIGIENY ŚRODOWISKA
DEPARTMENT OF ENVIRONMENTAL HYGIENE

24 Chłodnia 00-731 Warszawa • Phone (22) 6433306 (22) 6433308 • Fax (22) 6433307 • e-mail: wdz.ub@pzh.gov.pl

ATEST HIGIENICZNY HK/B/1415/02/2013
HYGIENIC CERTIFICATE 029588

WYRÓB / PRODUCT: **ULTRALIT BLOSS**

Zamawiający / Commission: **Instytut Techniki Budowlanej**
Laboratory of Building Research Institute

Przeznaczenie do / Intended use: **zastosowanie w budownictwie jako integralny do wykonania odpowiedniej chemii, przy zastosowaniu technologii i procedur, które mogą być używane w przemyśle budowlanym**
Application in construction industry like a member for identification and improvement of slab production of polished concrete

Wymagany wyrobek / Required product: **produkt spełniający wymagania higieniczne przy spełnieniu następujących warunków**
The product must comply with hygiene requirements when following conditions are fulfilled

Wyrobek musi być używany lub aplikowany po przedłożeniu stosownych danych przez producenta, zgodnie z procedurami i instrukcjami technicznymi. Wyrobek musi być używany zgodnie z procedurami i instrukcjami technicznymi. Wyrobek musi być używany zgodnie z procedurami i instrukcjami technicznymi. Wyrobek musi być używany zgodnie z procedurami i instrukcjami technicznymi.

Wydawca / Producer: **DRAGAN Anna Roguska**
02-445 Warszawa
ul. Piłsudskiego 4C

Niniejszy dokument wydano na wniosek / This certificate issued for: **DRAGAN Anna Roguska**
02-445 Warszawa
ul. Piłsudskiego 4C

Acest certificat este emis în conformitate cu cerințele tehnice ale produsului și este emis în baza datelor furnizate de producător. Certificatul este emis în baza datelor furnizate de producător. Certificatul este emis în baza datelor furnizate de producător.

Data wydania atestu higienicznego: **29 listopada 2013**
The date of issue of the certificate: **29th November 2013**

Podpisano / Signed: **Zdzisław Henryk Drobosz**
Kierownik Zakładu Higieny Środowiska
Head of the Department of Environmental Hygiene

www.pzh.gov.pl



General Distribution Worldwide
DRAGAN Anna Roguska
ul. Piłsudskiego 4C, 02-445 Warszawa, Poland
Tel: +4822 643 22 82 Fax: +4822 643 32 31
E-mail: wdz.ub@pzh.gov.pl

DECLARATION OF CONFORMITY
Warsaw, Poland

Manufacturer: **Dragan Anna Roguska**
Factory Address: **U Tomasa 17/2, 403 31 Usti nad Labem, CZ**

Product: **ULTRALITE LATEX** - latex based additive used for grinding and filling of holes, air voids, repairs to polished / honed concrete floors

This Declaration shall serve as formal certification that ULTRALITE LATEX is in compliance with the technical specification and it is in compliance with the following standard(s) or other normative document(s):

- No. **Document**
1. European standard **EN 1504-2:2004** Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete. The product conforms Annex ZA.
 2. Information in Material Safety Data Sheets.
 3. Information in Product Data Sheets.
 4. Regulation 305/2011/EU of EU parliament and of the Council of 09/03/2011 (CPR).

M1516-CPR-15-0262
BUILDING RESEARCH INSTITUTE - CERTIFICATION COMPANY LTD
102 21 Praha 10 - Hostivar, Praska R10 / 14

SPECIAL PRECAUTIONS: Please read **SMALL INFORMATION** on the label and **GENERAL PREPARATION**, before use and apply caution. Follow application instructions.

Podpisano / Signed: **Zdzisław Henryk Drobosz**
Kierownik Zakładu Higieny Środowiska
Head of the Department of Environmental Hygiene



NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
- PAŃSTWOWY ZAKŁAD HIGIENY
NATIONAL INSTITUTE OF PUBLIC HEALTH
- NATIONAL INSTITUTE OF HYGIENE
ZAKŁAD HIGIENY ŚRODOWISKA
DEPARTMENT OF ENVIRONMENTAL HYGIENE

24 Chłodnia 00-731 Warszawa • Phone (22) 6433306 (22) 6433308 • Fax (22) 6433307 • e-mail: wdz.ub@pzh.gov.pl

ATEST HIGIENICZNY HK/B/1415/01/2013
HYGIENIC CERTIFICATE 029588

WYRÓB / PRODUCT: **ULTRALIT LATEX**

Zamawiający / Commission: **Instytut Techniki Budowlanej**
Building Research Institute

Przeznaczenie do / Intended use: **zastosowanie w budownictwie do wykonania i wykończenia posadzk betonowych, przy zastosowaniu technologii i procedur, które mogą być używane w przemyśle budowlanym**
Application in construction industry like the grinding and polishing of concrete

Wymagany wyrobek / Required product: **produkt odpowiadający wymaganiom higienicznym przy spełnieniu następujących warunków**
The product must comply with hygiene requirements when following conditions are fulfilled

Wyrobek musi być używany lub aplikowany po przedłożeniu stosownych danych przez producenta, zgodnie z procedurami i instrukcjami technicznymi. Wyrobek musi być używany zgodnie z procedurami i instrukcjami technicznymi. Wyrobek musi być używany zgodnie z procedurami i instrukcjami technicznymi.

Wydawca / Producer: **DRAGAN Anna Roguska**
02-445 Warszawa
ul. Piłsudskiego 4C

Niniejszy dokument wydano na wniosek / This certificate issued for: **DRAGAN Anna Roguska**
02-445 Warszawa
ul. Piłsudskiego 4C

Acest certificat este emis în conformitate cu cerințele tehnice ale produsului și este emis în baza datelor furnizate de producător. Certificatul este emis în baza datelor furnizate de producător. Certificatul este emis în baza datelor furnizate de producător.

Data wydania atestu higienicznego: **29 listopada 2013**
The date of issue of the certificate: **29th November 2013**

Podpisano / Signed: **Zdzisław Henryk Drobosz**
Kierownik Zakładu Higieny Środowiska
Head of the Department of Environmental Hygiene

www.pzh.gov.pl



DEKLARACJA ZGODNOŚCI

Warszawa, Polska

Producent: **DRAGAN Anna Roguska**

Miejsce produkcji: **U Tomasa 17/2, 403 31 Usti nad Labem, CZ**

Produkt: **ULTRALIT HARD STANDARD** - integralny do bazie krzemiany tłu do uśredniania, zabezpieczania powierzchni betonowych.

Niniejsza deklaracja potwierdza zgodność produktu **ULTRALIT HARD STANDARD** z normami:

1. EN 1504-2:2004
2. Rozporządzenie 305/2011/EU Parlamentu i Rady z dnia 09/03/2011 (CPR).

Numer: **M1516-CPR-15-0262**

Instytut Techniki Budowlanej - Firma Certyfikująca 102 21 Praha 10 - Hostivar, Praska R10/14

Świadko atestator: Proszymy informację bezopłatnie i niezwłocznie na stronie 1, sposobu zastosowania przed rozpoczęciem pracy. Prosimy o zgodę i kontraktację.

Podpisano / Signed: **Zdzisław Henryk Drobosz**
Kierownik Zakładu Higieny Środowiska
Head of the Department of Environmental Hygiene

DRAGAN Anna Roguska
ul. Piłsudskiego 4C, 02-445 Warszawa
Tel: +48 22 643 32 31 Fax: +48 22 643 32 31
E-mail: wdz.ub@pzh.gov.pl

ULTIMATE DENSIFICATION OF CONCRETE FLOORS

Manufacturer: **Dragan Anna Roguska**
Address: **U Tomasa 17/2, 403 31 Usti nad Labem, CZ**

Product: **ULTRALITE HARD EXTRA** - extra-high solid lithium densifier used to densify, dustproof new or existing concrete floors.

This Declaration shall serve as formal certification that **ULTRALITE HARD EXTRA** is in line with the technical specification and it is in compliance with the following standard(s) or normative document(s):

- Document**
1. European standard **EN 1504-2:2004** Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete. The product conforms Annex ZA.
 2. Information in Material Safety Data Sheets.
 3. Information in Product Data Sheets.
 4. Regulation 305/2011/EU of EU parliament and of the Council of 09/03/2011 (CPR).

M1516-CPR-15-0262
BUILDING RESEARCH INSTITUTE - CERTIFICATION COMPANY LTD
102 21 Praha 10 - Hostivar, Praska R10 / 14

SPECIAL PRECAUTIONS: Please read **SMALL INFORMATION** on the label and **GENERAL PREPARATION**, before use and apply caution. Follow application instructions.

Podpisano / Signed: **Zdzisław Henryk Drobosz**
Kierownik Zakładu Higieny Środowiska
Head of the Department of Environmental Hygiene



Special Distribution Worldwide
 DRAGAN s.p. Warszawa Al. 22-go Stycznia 10-11
 Tel: +48 22 644 10 00 Fax: +48 22 644 10 01
 dragan@dragan.pl

PRODUCT TESTING CERTIFICATE
 Warsaw, Poland

Manufacturer: Dragan Anna Roguska / ULTRALIT WORLDWIDE DISTRIBUTION
Tested at: Dragan Anna Roguska Laboratory
Date of issue: 16.12.2013

Product: ULTRALIT® HARD PREMIUM – ultrahigh solid lithium densifier used to densify, harden, densify new or existing concrete floors and to be compliance with the EU Construction Products Directive (EN 1504:2004) and meets the requirements of EN 1504-2.

Testing data:

Declared characteristics	Test method	Declared characteristics
Abrasion resistance (mg/1000 cycles)	EN 5479-1:2001	At least 44% improvement in abrasion resistance if its compared with untreated sample
Capillary absorption and permeability of water (kg/m ² x h ^{0.5})	EN 1062-3:2008	≤ 0.1 kg/m ² x h ^{0.5}
Water vapour permeability (g/m ² x 24h)	EN 7793-2:2002	200 g/m ² x 24h
Depth of penetration (mm)	EN 1504-2:2004	≤ 4mm
Impact resistance (EN ISO 6272-1)	EN ISO 6272-1	Class 2-3-30 Nm
Adhesion strength by pull-off test (MPa)	EN 1342:2002	> horizontal/vertical: 10/15 MPa > horizontal/vertical: 10/15 MPa



Produkt zgodny z normami
 DRAGAN Anna Roguska
 ul. Piłsudskiego 10-11, Warszawa



NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
- PAŃSTWOWY ZAKŁAD HIGIENY
NATIONAL INSTITUTE OF PUBLIC HEALTH
- NATIONAL INSTITUTE OF HYGIENE
ZAKŁAD HIGIENY ŚRODOWISKA
DEPARTMENT OF ENVIRONMENTAL HYGIENE

21 Chłodnia 06-716 Warszawa • Phone (22) 6421346 (22) 6421348 • Fax (22) 6421307 • e-mail: ul.oh.oh@pzh.gov.pl

ATEST HIGIENICZNY HK/B/1415/01/2013
HYGIENIC CERTIFICATE 01010004

WYRÓB / PRODUCT: **ULTRALIT LATEX**

Zastosowanie / containing: Izolacja izolacyjna do stropów, ścian i balkonów. Coatings for walls, floors and balconies.

Przeznaczenie do / destined: zastosowanie w budownictwie do ocieplenia i wykończenia ścian i balkonów, przed i zarazem przy wykonaniu wykończeniowych prac malarskich. Use for used in construction industry for insulating and finishing of interiors.

Wymagany wyrob produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków: Wyrób stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika. Wyrob stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika. Wyrob stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika.

Mentioned product meets hygiene requirements when following conditions are fulfilled: Product is used according to manufacturer's instructions and recommendations from technical data sheet. The label on the product should include security precautions according to product characteristics, according to national regulations. Product should be kept away from children. The result after application should have a good ventilation.

Wytwórca / producer:

DRAGAN Anna Roguska
 02-445 Warszawa
 ul. Piłsudskiego 10

Wymagany dokument wydany na wniosek / this certificate issued for: DRAGAN Anna Roguska 02-445 Warszawa ul. Piłsudskiego 10

Atest może być anulowany lub unieważniony po przedłożeniu stosownych dowodów przez nadzorców zdrowia. Wymagany jest test wykonany po 2018-11-20 lub w przypadku zmian w recepturze albo w technologii wyrobu wyrobów. The certificate may be cancelled or annulled after appropriate notification. The certificate loses its validity after 2018-11-20 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 20 listopada 2013
 The date of issue of the certificate: 20th November 2013

Podpisano w imieniu Wytwórcy, elektronicznie podpisano przez: dragan@dragan.pl
 Signed for manufacturer, electronically signed by dragan@dragan.pl

www.pzh.gov.pl

DECLARATION OF CONFORMITY
 Warsaw, Poland

Manufacturer: Dragan Anna Roguska
Factory Address: U. Tysiąca 172/2, 403 21 Ulmi nad Labem, CZ

Product: ULTRALIT® GLOSS – lithium, high-gloss, stain and wear resistant for improving the sheen, hardness, chemical resistance of honed and polished concrete.

This Declaration shall serve as formal certification that ULTRALIT® GLOSS the technical specification and it is in compliance with the following standard/document(s):

- No. Document
1. European standard EN 1504-2:2004 Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2: Surface protection systems for concrete. The product conforms Annex ZA.
 2. Information in Material Safety Data Sheets.
 3. Information in Product Data Sheets.
 4. Regulation 305/2011/EU of EU parliament and of the Council of 09/01/2011 (CPR).

N1516-CPR-1516162
 BUILDING RESEARCH INSTITUTE – CERTIFICATION COMPANY LTD
 102 21 Praska 10 – Bratislava, Považia RTR / 16

SPECIAL PRECAUTIONS: Please read SAFETY INFORMATION on the label and SAFETY PRECAUTIONS, before use and apply order. Follow application instructions.



NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
- PAŃSTWOWY ZAKŁAD HIGIENY
NATIONAL INSTITUTE OF PUBLIC HEALTH
- NATIONAL INSTITUTE OF HYGIENE
ZAKŁAD HIGIENY ŚRODOWISKA
DEPARTMENT OF ENVIRONMENTAL HYGIENE

21 Chłodnia 06-716 Warszawa • Phone (22) 6421346 (22) 6421348 • Fax (22) 6421307 • e-mail: ul.oh.oh@pzh.gov.pl

ATEST HIGIENICZNY HK/B/1415/03/2013
HYGIENIC CERTIFICATE 01010004

WYRÓB / PRODUCT: **ULTRALIT HARD STANDARD, ULTRALIT HARD PREMIUM, ULTRALIT HARD EXTRA**

Zastosowanie / containing: Izolacja podłóg, ścian i balkonów. Floors, walls and balconies.

Przeznaczenie do / destined: zastosowanie w budownictwie do ocieplenia i wykończenia ścian i balkonów, przed i zarazem przy wykonaniu wykończeniowych prac malarskich. Use for used in construction industry for insulating and finishing of new and old concrete floors.

Wymagany wyrob produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków: Wyrób stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika. Wyrob stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika. Wyrob stosowany zgodnie z załączonymi instrukcjami użytkownika w formie technicznej, nie opóźniamy zgodnie z tabelą użytkownika.

Mentioned product meets hygiene requirements when following conditions are fulfilled: Product is used according to manufacturer's instructions and recommendations from technical data sheet. The label on the product should include security precautions according to product characteristics, according to national regulations. Product should be kept away from children. The result after application should have a good ventilation.

Wytwórca / producer:

DRAGAN Anna Roguska
 02-445 Warszawa
 ul. Piłsudskiego 10

Wymagany dokument wydany na wniosek / this certificate issued for: DRAGAN Anna Roguska 02-445 Warszawa ul. Piłsudskiego 10

Atest może być anulowany lub unieważniony po przedłożeniu stosownych dowodów przez nadzorców zdrowia. Wymagany jest test wykonany po 2018-11-20 lub w przypadku zmian w recepturze albo w technologii wyrobu wyrobów. The certificate may be cancelled or annulled after appropriate notification. The certificate loses its validity after 2018-11-20 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 20 listopada 2013
 The date of issue of the certificate: 20th November 2013

Podpisano w imieniu Wytwórcy, elektronicznie podpisano przez: dragan@dragan.pl
 Signed for manufacturer, electronically signed by dragan@dragan.pl

www.pzh.gov.pl



Special Distribution Worldwide
 DRAGAN s.p. Warszawa Al. 22-go Stycznia 10-11
 Tel: +48 22 644 10 00 Fax: +48 22 644 10 01
 dragan@dragan.pl

DEKLARACJA ZGODNOŚCI

Warszawa, Polska

Producent: DRAGAN Anna Roguska

Miejsce produkcji: U. Tysiąca 172/2, 403 21 Ulmi nad Labem, CZ

Produkt: ULTRALIT® HARD STANDARD – impregnat na bazie trójwartościwego tlenku węgla, zabezpieczający powłoki betonowych.

Niniejsza deklaracja potwierdza zgodność produktu ULTRALIT® HARD STANDARD z normami:

1. EN 1504-2:2004
2. Rozporządzenie 305/2011/EU Parlamentu i Rady z dnia 09/01/2011 (CPR)

Numer: 1516-CPR-15-0262

Instytut Techniki Budowlanej – Firma Certyfikująca 102 21 Praska 10 – Bratislava, Považia RTR/16

Środki ostrożności: Przejrzyj informacje bezpieczeństwa umieszczone na etykiecie i skrzynce rozdawania przed rozpoczęciem pracy. Postępuj zgodnie z instrukcjami.



Produkt zgodny z normami
 DRAGAN Anna Roguska
 ul. Piłsudskiego 10-11, Warszawa
 Tel: +48 22 644 10 00 Fax: +48 22 644 10 01
 dragan@dragan.pl

ULTIMATE DENSIFICATION OF CONCRETE FLOORS

ULTRALIT WORLDWIDE DISTRIBUTION

Parowcowa str. 4C, 02-445, Warsaw, Poland
Tel: +48 22 614-52-04 / Fax: +48 22 814-74-81

www.ultralit.eu

info@ultralit.eu

