

ULTRALIT HARD FRESH

DENSIFIER FOR FRESH CONCRETE + FINISHING AID
HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

Ultralit Hard Fresh is a water-based 2 in 1 product which acts as a finishing aid to fresh concrete during smoothing and at the same time as densifier used to cure, densify, harden, dustproof. Polymer content helps to protect fresh concrete from fast water evaporation. Active nano-silica content 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.

BENEFITS

- 2 in 1: finishing aid and hardening in one.
- High active solids content – 25%.
- Lubricates the surface, making trowelling smooth without water spray.
- Reduces a chance of dry shake delamination to minimum.
- Reduces water evaporation rate (important for outdoor installation, hot or windy conditions).
- Increases the lifetime of floats and discs on the trowels.
- Increases abrasion resistance by up to 32%.
- Does not contribute to surface ASR or promote crazing, reduces plastic shrinkage.
- Improves stain and water resistance of casted concrete.
- No need to apply any other densifier afterwards, cost effective solution.
- “GREEN” and Planet Safe, water based.

CAN BE APPLIED ON NEW OR ANY AGE CONCRETE FLOORS OF

- Roads and Highways
- 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 liquid
Specific Gravity	1.25
pH	10
Solids Content	25%
Active Content	100% of total solids
Increase in abrasion resistance	up to 32% when compared to untreated sample
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING



ULTRALIT HARD FRESH

is packed in 30 liter pails (36 pails on the pallet), 200L drums (4 drums on the pallet), IBC 1000L containers

ESTIMATED COVERAGE RATES

- Fresh concrete: 5-10 m²/L (100-200 mL/m²).

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(continuation)

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APPLICATION

Precautions / Limitations:

- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- Protect metal, glass, wood, paint or brick from contact with Ultralit Hard Fresh. 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:

- The first application in quantity of 50-100 mL/m² is applied before smoothing the surface by trowel machine with a float disc. The second application in quantity of 50-100 mL/m² should be applied during the smoothing by trowel with blades. One and only application is also possible.
- Using a low-pressure sprayer, apply Ultralit Hard Fresh at a rate that covers the surface, but does not produce puddles.
- Ultralit Hard Fresh must be trowelled into the surface as soon as it was applied on the slab surface.
- In order to obtain maximum curing effect – one application of Ultralit Hard Cure is recommended after smoothing is finished.
- 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 Fresh 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 Fresh is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.