

ULTRALIT HARD CURE

**2 IN 1: LIQUID CURING AGENT + LITHIUM DENSIFIER FOR CONCRETE
HIGHEST LITHIUM CONTENT IN THE INDUSTRY**

DESCRIPTION

Ultralit Hard Cure is a water-based 2 in 1 product which acts as a curing agent and at the same time as high solid lithium densifier used to cure, densify, harden, dustproof new or existing concrete floors. Film-forming polymer content protects the fresh concrete from fast water evaporation and later on keeps the concrete safe from staining. Active lithium 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: curing and hardening at the same time.
- High active solids content – 17.5%.
- Active ingredients: 100% of total solids.
- Perfect curing properties, meets ASTM C-309 standard.
- Fast hardening and dustproofing – days instead of months.
- Can be applied to concrete of any age.
- Excellent penetration: 2-8 mm on steel trowelled concrete.
- Increases abrasion resistance by 15-40%.
- Does not contribute to surface ASR or promote crazing.
- Excellent stain and water resistance.
- Very fast application: minutes instead of days.
- 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...

ATTENTION!

Product is not a waterproofing material and does not provide 100% waterproofing property.

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.12
pH	10
Solids Content	17.5%
Active Content	100% of total solids
Depth of penetration	2-8 mm
Increase in abrasion resistance	15-40% when compared to untreated sample
Curing moisture retention	≤0.50 kg/m ² during 72 hours
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING



ULTRALIT HARD CURE

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

ESTIMATED COVERAGE RATES

- Freshly placed uncured concrete: 7-13 m²/L (70-130 mL/m²).
- Steel troweled cured concrete: 5-10 m²/L (100-200 mL/m²).
- Cured honed / polished concrete: 10-20 m²/L (50-100 mL/m²).

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(continuation)

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APPLICATION

Precautions / Limitations:

- Always clean surface to remove any dirt, laitance, coatings that may prevent Ultralit Hard Cure from penetrating the surface.
- 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 Cure. 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 Cure is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue. You can apply Ultralit Hard Cure right after final troweling is done (12-48 hour after pouring concrete).
- In case of existing concrete remove all dirt, debris, coatings. 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 Cure on existing concrete) 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 Cure at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 7-13 m²/L, in case of existing concrete - 5-20 m²/L. Treated surfaces should stay wet for 10-15 minutes following initial application. If needed, uniformly spread the product in a thin layer using a microfiber pad that should be pre-moistened with Ultralit Hard Cure prior to use.
- Let treated surfaces dry thoroughly.
- On existing concrete if glossy finish is required, burnish or buff the surface with high-speed burnishing equipment with polishing pads without diamonds.

- If the floor joints are to be filled after Ultralit Hard Cure 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 Cure 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 Cure is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.