ULTRALIT HARD XP

ADVANCED LIQUID DENSIFIER, DUSTPROOFER FOR CONCRETE

DESCRIPTION

Ultralit Hard XP is a water-based high solid potassium densifier used to densify, harden, dustproof new or existing concrete floors. Active potassium content of the product comes into chemical reaction with concrete components and form insoluble calcium silicate hydrate 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 XP is much more durable than traditional surface coatings and sealers, it will never peel or debond and is unaffected by moisture.

PHYSICAL PROPERTIES

Form	Clear liquid
Specific Gravity	1.10
Solids Content	15%
Active Content	100% of total solids
Freeze Point	0°C
Flash Point	Non Flammable
Shelf Life	1 year in original, unopened package

PACKAGING

BENEFITS

➢ High solids content - 15%
➢ Active ingredients: 100% of total solids
➢ Fast hardening and dustproofing - days instead of months
➢ Can be applied to concrete of any age
➢ Excellent penetration: 2-5 mm on steel trowled concrete
➢ Increases abrasion resistance by 30-35%
➢ Does not change floor friction coefficient - no change of slip resistance
➢ Fast application
➢ Cost Effective solution of concrete densification
➢ Absolutely "GREEN" and Planet Safe, water based

Ultralit Hard XPL is packed in 30 liter pails (36 pails on the pallet).

ESTIMATED COVERAGE RATES

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…

➢ Freshly placed uncured concrete: 7-14 m^2/L (70-150 mL/m^2)
➢ Steel troweled cured concrete: 5-10 m^2/L (100-200 mL/m^2)
➢ Cured honed / polished concrete: 7-14 m^2/L (70-150 mL/m^2)

APPLICATION

Precautions / Limitations:

➢ Always clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent Ultralit Hard XP 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 XP.

- ➢ Protect metal, glass, wood, paint or brick from contact with Ultralit Hard XP. If accidently oversprayed on these surfaces, wash surface with clean water immediately.
- ➢ A test area is always recommended prior to main job application in order to determine the penetration ability of product into given surface.
- ➢ Due to chemical components in concrete, dry shakes – some salts can stay on the surface after application of product. Use water and/or autoscrubber with diamond pads of 400-800 grit to remove it.
- ➢ In all cases consult the Material Safety Data Sheet before use.

Application procedure:

- ➢ There is no need for surface preparation when Ultralit Hard XP 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 metal diamonds and apply Ultralit Hard XP after last metal diamond step.
- ➢ Using a low-pressure sprayer, apply a single coat of Ultralit Hard XP at a rate that covers the surface, but does not produce puddles. In case of freshly placed concrete – average coverage rate 7-14 m^2/L, in case of existing concrete - 5-10 m^2/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 XP 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. (at low temperatures – below +10ºC – the drying time can be extended).
- ➢ In case of freshly placed concrete immediately apply the specified curing compound or initiate the specified curing procedure.
- ➢ On existing concrete to achieve desired finish, use progressively finer diamond discs and continue grinding from 50 to 200 grit.
- ➢ If the floor joints are to be filled after Ultralit Hard XP 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 overall reaction of ULTRALIT HARD XP with the top layer of the concrete surface can take 2 to 4 weeks.
- ➢ 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 XP 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 swal¬lowed, 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 XP is available worldwide. For technical assistance, product information, Dealer location - visit our web site at **www.ultralit.eu** or email at **info@ultralit.eu**.