

ULTRALIT GLOSS SHIELD

ADVANCED NANO-TECH, HIGH-GLOSS STAIN RESISTANT CONCRETE SEALER
HIGHEST LITHIUM CONTENT IN THE INDUSTRY

DESCRIPTION

ULTRALIT GLOSS SHIELD is a lithium, nano-particles, 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 SHIELD 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 SHIELD 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 nano-particle polymer content: best gloss, best stain resistance, best wear resistance;
- Extremely high reactivity with high solids content of 25%;
- 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 | 25% |
| 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 SHIELD is packed in 30 liter pails (36 pails on the pallet)

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).

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(continuation)

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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 SHIELD from penetrating the surface.
- Acid-stained concrete must be thoroughly neutralized before application of ULTRALIT GLOSS SHIELD.
- 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 SHIELD. 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 SHIELD.
- 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 SHIELD is 200-400 grit or higher.
- Using a low-pressure sprayer, apply a first coat of ULTRALIT GLOSS SHIELD 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 SHIELD 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 SHIELD 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 SHIELD 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 SHIELD is available worldwide. For technical assistance, product information, Dealer location - visit our web site at www.ultralit.eu or email at info@ultralit.eu.