

IntraHard

Blended Silicate Concrete Sealer/Densifier/Hardener

DESCRIPTION

INTRAHARD is a premium blended silicate sealer/densifier/hardener for concrete surfaces. The unique proprietary blend of silicates reacts to produce a calcium silicate hydrate within the concrete pores.

INTRAHARD's blend of silicates allows a breathable surface while providing reduced porosity, dusting, and water permeability while increasing abrasion resistance. IntraHard provides a more complete densification process ideally suited for Type 1L cement concrete mix designs.

FEATURES/BENEFITS

- Reduce application costs with one step low pressure spray application on broom or hard troweled finishes.
- Achieve architectural finishes, does not contribute to Alkali Surface Reaction (ASR),
- Reduce dusting, porosity, water permeability.
- Improves abrasion resistance, light reflectance, stain resistance and gloss.
- Breathable, can be used interior and exterior.
- Fast-curing. Ready for traffic in one hour for most floors.
- Apply on new or existing concrete
- Environmentally and economically efficient sealer
- Single, low maintenance application
- USDA Accepted. Recommended for ACI 302. Class 1 through 5 concrete floors, and class 9 super flat floors

APPLICATION

Always follow Technical Data sheet instruction and Safety information provided on the SDS. INTRAHARD may be applied on concrete to be polished or burnished.

Always apply INTRAHARD to a clean surface free of cures, bond breakers, oil, dirt, grease or debris. When necessary, clean concrete surfaces with Spec-Chem Orange Peel or Berry Clean and neutralize with a neutral pH detergent. Thoroughly flush with water.

Application for freshly placed concrete:

After final finishing apply INTRAHARD with a quality low pressure sprayer with a fan tip. Uniformly spread the INTRAHARD with a soft broom or microfiber applicator to thoroughly coat the concrete eliminating any puddles or excess. Apply enough material to keep the surface wet for approx. 15 minutes. Apply additional INTRAHARD to porous areas until rejection.

Remove any excess IntraHard from the surface with a squeegee, power sweeper, or floor scrubbing machine.

APPLICATION (con't)

A compatible ASTM C309 curing compound such as SpecChem "SpecRez" or "E Cure" may be applied to finalize the curing process. After the concrete has thoroughly cured, a floor scrubber equipped with a nylo-grit or similar abrasive cleaning pad will remove any residual construction debris, curing compound and further enhance the INTRAHARD surface shine.

Application as Pre-Seal densifier for Tilt-Up:

When using INTRAHARD in a pre-seal application in tilt-up panel areas, an extra application of SpecTilt bond-breaker is recommended as a curing compound as soon as the INTRAHARD has dried to finalize curing. This will provide an excellent base for subsequent bondbreaker coats.

Application for existing concrete or polishable overlays:

Confirm removal of all surface contaminants. For best results clean and open the surface with a 100 grit sanding screen or diamond abrasive pad. Remove any dust and residue with a thorough water rinse and scrubber. Water rinse, squeegee surface and allow to dry.

Apply INTRAHARD with a quality low pressure sprayer in a single saturating coat. Uniformly spread the INTRAHARD with a soft broom or microfiber applicator to thoroughly coat the concrete eliminating any puddles or excess. Apply enough material to keep the surface wet for approx. 15 minutes. Apply additional INTRAHARD to porous areas to rejection. Let treated areas dry.

Coverage Rates:

Approximate coverage rates 600-800ft²/gal. depending on concrete porosity.

Typical Dry time is 1-2 hours

TYPICAL TEST DATA

Appearance — Clear

Specific Gravity — 1.09

Weight/Gal.— 9.1 lbs.

VOC Content =0 g/l

Freeze Point — 32°F

USDA Accepted for Indirect Food Contact



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FINAL FINISHING

Final Appearance and Treatment

Surfaces treated with INTRAHARD will increase in hardness, stain-resistance, durability and shine over time and regular maintenance.

To enhance the surface sheen, buff or burnish the dry concrete surface with a orbital floor machine or high speed propane burnishing machine in both directions with a black, then red floor cleaning pad.

An additional gloss can be achieved on treated surfaces by burnishing with a diamond-impregnated 800 grit or hogs hair pads on a high speed machine.

If a higher gloss is desired, apply another application of IntraHard @ 800-1000 sq-ft per gal and high speed burnish with a 1500 grit diamond impregnated pad.

Please consult a professional applicator for this type of procedure.

SHELF LIFE

Shelf life of INTRAHARD in the original tightly closed containers is two years from date of manufacture.

PACKAGING

INTRAHARD is packaged in 275 gallon totes, 55 gallon plastic drums and 5 gallon plastic pails.

LIMITATIONS

As every project and application can vary, it is the contractor's responsibility of determining compatibility by performing field test simulating actual jobsite conditions.

Do not use acidic or strong citrus based cleaners to IntraHard treated floors. Although IntraHard will improve the ability of the treated surface to resist liquid penetration and staining, spills should be cleaned up quickly to minimize any damage

PRECAUTIONS

INDUSTRIAL USE ONLY

Additional precautions, safety information and first aid are contained in the Safety Data Sheet (SDS).

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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