CANZAC® GROUP

Improving the performance of concrete worldwide©

CURING SYSTEMS

PENTRA-SIL HD+C

FORMS A TOUGHER, ABRASION RESISTANT SURFACE

Pentra (HD+C) is a water-based, clear, dissipating membrane-forming curing compound, hardener and densifier that surpasses ASTM C-309 Liquid Membrane-Forming Compounds for Curing Concrete moisture retention requirements. This single component application forms a tougher, abrasion resistant surface compared to traditional methods requiring post-densification

KEY BENEFITS

- Meets actual ASTM C-309 moisture retention.
- Cost effective, one step curing and hardening.
- Easy auto-scrub final clean up.
- Contributes to LEED EQ credit 4.2

APPLICATION INSTRUCTIONS

Mixing (DO NOT DILUTE)
Stir thoroughly prior to use. Do not thin or dilute. Do not over agitate with compressed air or recirculating pump. Application equipment must be clean and free of foreign materials.

PLACEMENT
Apply Pentra-Sil® (NL) HD+C immediately after all surface water has disappeared and the surface cannot be marred and after the cuts have been completed. Remove all dust and dirt prior to applying the Pentra HD+C. Application of Pentra-Sil® (NL) HD+C too early or too late can affect the overall curing performance. Use low-pressure spray, roller or brush. Apply uniformly without puddles. Spray in a uniform coat pattern and try not to overlap coats which can cause darkening. Recommended terminating at saw cuts.

DO NOT OVER APPLY OR APPLY SECOND COATS.
Use a low-pressure sprayer to apply a uniform layer on the surface. Do not puddle. Allow 1-2 days to completely dry before traffic. The product will begin to dissipate after one week. After 28 days use an auto scrubber, black pads, and water to remove any remaining cure material.

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IMPORTANT NOTES

Meeting ASTM C-309 is important. Preventing the floor from damaging effects of spills and stains or hard-to-remove curing compounds is important too. Our new all-in-one does both, eliminating up to 4 steps vs, traditional post hardening methods.

Typically densifiers take too long to dry if applied at the recommended application rate, making them difficult to apply before curing. Either they are applied at lower than recommended application rates prior to conventional curing in order to get the curing compound applied post curing, usually after 28 days. When extensive and expensive cleaning is required, to remove curing resins and staining. A post-curing hardener application can also require chemical stripping and cleaning, pressure washing, or even light sandblasting to prep the floor for proper densifier application. With Pentra HD+C the slab is densified and protected during construction, and the final cleanup is much easier, leaving the owner with a better looking at slab turnover.

Do not apply when ambient or concrete surface temperatures are below 4°C.
Do not apply over, or squeegee. Surfaces treated with Pentra-Sil® (NL) HD+C may become slippery under certain conditions or until dry.

SPECIFICATIONS	
Application Method	Sprayer
Colour	White, Dries Clear
Coverage Rates	Machine Trowllled 12m² Broom Finished 4.9 - 9.8m²
Film-Forming	Yes
Form	Liquid
Freeze Point	0°C
Odour	Slight to None
pH	11
Shelf Life	1 year in unopened sealed container
Specific Gravity	1.03
Total Solids	18.2%
VOC Content	<100g/L

MAIN APPLICATIONS

- Commercial & Institutional
- Business Office Buildings
- Cafeterias/restaurants
- Correctional institutions
- Retail & shopping centers
- Schools/education facilities
- Sports & entertainment venues.

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