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	US Revision: 1
RDI-HYDROPOX H BLUE	Date: 01/01/2014
	Supersedes:
	RDI 10

DESCRIPTION OF THE PRODUCT

- USES:** Waterborne, two component, epoxy paint which can be applied to green concrete for indoor applications. This coating contains an antimicrobial agent to prevent Micro-organisms from degrading the dried paint film.
- FEATURES:**
- Solvent free
 - Easy to use
 - Resistant against abrasion, solvents and oils.
- SUBSTRATES:**
- Can be applied directly to vertical or horizontal concrete.
 - Can be applied on metal, provided that this was primed by an adhesion or anti-rust primer such as RD-MULTIPRIM or RD-ELASTOMETAL.
- SYSTEM:**
- On concrete surface: apply at least two coats at 3-4 mils DFT each.
 - On a porous surface such as concrete block: apply a prime coat of RDI-HYDROPOX H diluted with 10% water, then apply 2 additional coats of RDI-HYDROPOX H Blue at 3mils DFT each.
 - Can be used as a top coat over most RD Products.

APPLICATION INSTRUCTIONS

- PREPARATION OF THE SUBSTRATE:** The substrate has to be degreased, dry and free of dust
- APPLICATION CONDITIONS:** Environmental Conditions (general requirements):
- The minimum air and substrate temperatures; 50°F for 48 hours.
 - The maximum surface temperature; 110°F.
 - The maximum relative humidity; 90%.
 - Surface temperature must be 5°F above the Dew Point.
- APPLICATION MEANS:** Brush, roller or airless (tip size: 021–023).
- **Mixing:** The hardener should be slowly added to the base. The two components are mixed long enough until a homogeneous, single-color mass is obtained, about 3 minutes. After mixing let the product rest for 5 minutes to avoid the formation of air bubbles.
 - **Pot Life:** Maximum of 2 hours.
 - Dry time between the two coats; at 50°F minimum 24 hours, at 70°F minimum 12 hours. Maximum re-coat window is 72 hours. After this time the coating must be lightly sanded to remove gloss to ensure proper adhesion between coats.
 - Two component epoxy coatings need 72 hours at a 70°F surface temperature in order to achieve maximum mechanical properties. For the full chemical resistant properties 7 days are required at 70°F surface temperature. This means that during this time all liquids, including water, should be avoided.



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DILUTION: Water, if necessary. (5-25%, the exact amount of water will depend on the viscosity of the mixture, the ambient temperature and the temperature of the substrate.)

CLEANING OF TOOLS: Water

COVERAGE: Theoretical Coverage 5 Gallons Container:
 ▪ 1,100s/f. @ 3mils DFT in 1 coat.
Note: The exact coverage is always dependent on the condition and porosity of the substrate.

MIXING: The hardener and the base are mixed completely. Due to the major difference in viscosity of the two components, the edges and the bottom of the packaging (cans) should be scraped out and this should be mixed very well.
Note: Poor mixing can lead to inconsistencies, such as bubbles, bad curing, soft or flat spots.

TECHNICAL DATA

FINISH: Satin

COLORS: Gray

DENSITY: 1.45

SOLIDS CONTENT: A + B
 By Weight: 65%
 By Volume: 50%

VOC CONTENT: 0 g/L

FLASH POINT: Non-Flammable

VISCOSITY: 40 - 70 P (Brookfield 20 Rpm)

DRYING TIME: To Touch: 3 hours
 To Recoat: 24 hours
 Full Cure after 7 days

PACKING: 1 & 5 Gallon Units

STORAGE STABILITY: Minimum of 12 months, in a frost free and dry place. (both components)



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SAFETY DATA

The Material Safety Data sheet is available on request.

This Data is given for information only. Since the manufacturer is not able to check the correct application of the products, they cannot accept any responsibility for it. This technical data sheet replaces all previous editions.