

HI-BUILD[®] HYDRO EPOXY

GENERAL DESCRIPTION Two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. It has superb chemical resistance, abrasion resistance, and substrate penetration.

PACK SIZE Epoxy coating is supplied as a 2 pack kit, which contains one pack of part (B) Base, one pack of Part (A) Activator.

APPEARANCE Gloss transparent finish (Also available in shades).

PHYSICAL PROPERTIES

(Calculated values, may vary slightly from the actual manufactured material)

SOLVENT TYPE	WATER
Flashpoint base component	>100°C or 212°F
Resin type	Amine based
Weight per liter	1.450
Recommended dry film thickness per coat	100-200µ
Practical coverage @ recommended DFT Approx	
Application condition	13-32°C (55-90°F) with relative humidity below 75%



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**SURFACE
PREPARATION:**

Allow new concrete to cure for a minimum of days. Check the conditions that might interfere with proper adhesion. It is recommended that the surface must be clean. Remove oil spots and wash the surface with a suitable detergent or degreasing solution. If the surface is concrete it should be clean, dry, and firm. Any defect and scratch should be prepared before application. To create the proper surface profile for optimal keying, prepare the concrete surface by water blasting or grinding. Repeat the process if necessary. When the surface is free of residues, you are ready to begin the application of coatings.

MIXING

Premix both components (parts A and B) to re-disperse any settled particles before pouring. It is critical to add all of the parts A to B and mix for 2-5 minutes. Power mixing is preferred. Allow the coating to stand before using for 30 minutes if the temperature is 70-100°F (21-38°C), and 1 hour if it is between 60 to 70°F (16-21°C). Mix again just prior to application. The activated coating must be used within 2 to 5 hours after the mixing based on temperature.

APPLICATION

After appropriate standing times begin to cut in the perimeter of the floor along the wall, or other areas where a roller cannot reach, using a brush or edge before beginning roller application. Use an epoxy safe 3/8" (9.5mm) nap roller cover and a 9" (0.2mm) roller frame to apply an even coat of epoxy onto the surface.

**SAFETY, HEALTH, AND
ENVIRONMENTAL
INFORMATION**

Keep the container tightly closed and upright to prevent leakage when not in use. Don't breathe in vapors and sanding dust. The cartridge mask should be when rubbing down. Provide adequate ventilation during application and drying.



If you experience difficulty in breathing, move to fresh air. Don't permit smoking in the vicinity. Avoid contact with eyes and skin. Wear gloves and goggles during application or standing. In case of contact with eyes, flush with plenty of water and seek medical advice. To remove splashes from the skin, use soap and water or a recognized skin cleaner. Protect from extremes of temperature. Store in a cool dry place but also protect from freezing. In case of fire, use foam, dry powder, CO₂ fire extinguisher. Keep out of reach of children. In case of an accident, collect spillage using sand or clay and dispose of waste paint in accordance with appropriate environmental quality requirements.

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