

HYDURA SB-100 FINISH

Solvent-Base 2K Epoxy Floor Coating

Product Description

A two components solvent-base polyamide cure epoxy floor coating suitable as high performance and durable finishing for industrial flooring and concrete surfaces.

Features

- Excellent adhesion to new and aged concrete floor.
- Easy to use – spray, brush, roller
- General purpose high performance Solvent-base epoxy floor coating.
- Suitable for heavy duty industrial application and concrete flooring.
- Excellent mechanical and physical properties for heavy duty application

Typical Uses

Suitable for use as protective coating and finishing for industrial application and concrete flooring. Recommend to use for all type of green and aged concrete flooring, rooftop and concrete surfaces.

Physical Data

Color	:	As specified
Volume Solid	:	53 +/- 2%
VOC(as supplied)	:	494g/L
Shelf Life @25°C / indoor	:	24 months

Typical Thickness : 50 ~ 100µ dried film.

Drying Time(at Dry Film Thickness 50µ)	Temperature	10°C	20°C	30°C
	Surface Dry		2.5 hrs	1.5hrs
Hard Dry		20 hrs	10 hrs	8 hrs
Painting interval:	Minimum	20 hrs	10 hrs	8 hrs
	Max. (self)	-	-	-
Pot Life		24 hrs	18hrs	12 hrs
Theoretical coverage (at DFT 50- 100µ)		0.098~0.196 L/m ² ; 10.2 ~ 5.1 m ² /L		
Service temperature		-60 to 150°C (dry)		

Application Data

Mixing ratio : Part A : Part B = 75 : 25 (by weight)
Application Method : airless spray, roller, brush

Mixing Procedure : Add part B into part A and power mix for at least two minutes or until homogeneous.

Drying schedule : Drying by water evaporation and chemical cross linking. Higher film thickness, insufficient ventilation, or lower temperature will require longer drying time. Excessive humidity or condensation on the surface can interfere with the drying cause discoloration and may result in a surface haze. Any haze or contamination must be removed by water washing before recoating.

This product requires the substrate temperature to be above the dew point (+ 3~5 ° C). The Epoxy finish tends to chalk or yellowing under uv exposure.

Application Procedure

Mix properly the paint before use.

- Flush equipment with epoxy thinner before use.
- Mix the paint (part A and Part B accordingly to mixing ratio) thoroughly until homogeneous.
- Thin with water only if necessary for workability.
- When applying by conventional spray, use adequate air pressure and volume for proper atomisation.
- Apply a wet coat in even parallel passes, overlap 50% to avoid holidays and pin hole.
- Excessive thickness can prolong drying and sagging.
- Clean up all equipment with thinner immediately after use.
- Keep containers tightly close and store in proper storage area.

Condition of Application

Use brush or roller with 1/8" nap . Apply at sufficient thickness and avoid repeating rolling to have good levelling.

Temperature	:	Min 5 ° C ; Max 50 ° C
Humidity	:	Maximum 85 % R.H.
For Airless spray	:-	
Tip Size	:	Graco 619, 719 or equivalent
Paint Output pressure	:	14.7 – 17.7 MPa (g)
Viscosity	:	1.5 ~ 2.0 Pa.s
Thinning	:	0 – 10 % by volume

local required regulation or through licence waste collector.

Surface Preparation

General :

Surfaces must be clean and dry, all contaminants like dirt, dust , oil must be remove by appropriate method to ensure good adhesion.

Abrasive blast clean

Abrasive blast clean to Sa 2.5 (ISO-8501) or SSPC-SP6. In case of hydro blasting or hydro jetting to remove existing coating, ginger rust should be remove and blow dry before application. Surface profile must be a minimum of 50 microns.

Concrete Structure

Concrete must be cured for at least 30 days prior to coating and must be free from moisture as much as possible. The surface must be cleaned, free from any contaminant, laitance and loose film. Broom cleaning, vacuum cleaning, air blast cleaning, steam and water cleaning are suitable as outlined in ASTM D4258.

Shop primed steelwork

Weld seam and damaged area should be cleaned to a minimum St3 or SSPC-SP3. The shop primed steelwork should be repair for any rust and free from any contaminant with suitable secondary surface preparation such as spot blast , sweeping or power tooling. Apply the primer and middle coat.

Safety Precaution and Clean-up

Safety : Read and follow the material safety data sheet (MSDS) before use. Employ normal safety precaution.

Ventilation : when working in a confine workplace, thorough air ventilation must be used during and after application until the coating is cured.

Caution : No Special precaution require. Put on the PPE where necessary.

Clean-up : Use water for immediate cleaning., if paint start to react or hardener, clean it and tools with Hana Thinner E. Observe safety precaution when use the solvents. In case of spillage, absorb and dispose the material and used container according to

Disclaimer

Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. The products are delivered and any technical assistance is given subject to our GENERAL CONDITIONS OF SALE, DELIVERY AND SERVICE and ,unless otherwise expressly agreed in writing ,manufacturer and seller assume no liability in excess of that stated therein for results obtained, injury, direct or consequential damage incurred from the use as recommended above or otherwise.

Limited Warranty

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