

PATSA HB90

Modified High Build Epoxy



An Industrial Care
Company

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Technical Data Sheet

PRODUCT DESCRIPTION:

PATSA HB90 is a two-package, high solids epoxy coating for use in industrial maintenance environments and high performance architectural applications.

- Chemical and corrosion resistant
- Dry film resists bacterial attack
- Abrasion resistant
- Low VOC

AREAS OF APPLICATION:

For use over prepared substrates such as steel, galvanizing, and concrete in industrial environments.

- Laboratories
- Masonry surfaces
- Offshore structures
- Storage tanks
- Structural & support steel
- Institutional kitchens
- Chemical processing equipment
- Institutional & commercial wall coating
- Lavatories
- Power plants
- Schools
- Marine applications
- Clean rooms
- Nuclear power facilities

TECHNICAL PROPERTIES:

| | |
|---------------------|--|
| Vol Solids % | 90% ± 2% |
| Spreading Rate | 9 sq. mtr / Liter / Coat @ 100 µ |
| Mixing Ratio by Vol | Comp A 3 Parts and Comp B 1 Part by Vol |
| Induction Time | 15-20 min @ 30°C |
| Application | Brush, Roller or Airless Spray |
| Appearance | Glossy and Semi Glossy |
| Drying Schedule | Tack Free 02-03 Hours, Re-coat 16-24 Hours |
| Shade | White and others |
| Nos. of Coats | Min Two Coats Recommended |
| Pot Life | 06 Hours @ 30 °C |
| Recommended Primer | Self Priming |
| Recommended Thinner | Thinner no. 17 |
| Shelf Life | 01 Year in Originally Sealed Container |

APPLICATION:

Surface Preparation:

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust and other foreign material to ensure adequate adhesion.

Iron & Steel

Minimum surface preparation is Hand Tool Clean per SSPCSP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6; blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs. Primer Required.

Aluminum

Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer Required.

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2; prime the area the same day as cleaned.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13, or ICRI 03732, CSP 1-3. Surfaces must be clean, dry, and sound and offer sufficient profile to achieve adequate adhesion. Concrete and mortar must be cured at least 28 days @ 75°F. Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, and form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with suitable crack filler.

Wood

Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Prime with recommended primer and paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped or sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Application:

Mix contents of each component thoroughly with power agitation. Make certain no pigment remains on the bottom

of the cans. Then combine one part by volume of Part A with one part by volume of Part B.

Thoroughly agitate the mixture with power agitation.

Allow the material to sweat-in as indicated. Re-stir before using. If reducer solvent is used, add only after both components have been thoroughly mixed, after sweat-in.

PACKING:

Patsa HB90 is available in 4 Liter and 20 liter pack sets

MATERIAL HANDLING:

The material should be stored in a properly ventilated area away from sunlight. Avoid contact with skin as it may cause irritation. Use proper mask during application to avoid inhalation. The container should be kept properly sealed if not in use. Please contact physician in case of any spillage of product in eyes.

SAFETY:

Use only well ventilated areas. In case of sufficient ventilation during application wear suitable respiratory equipment. Do not breathe vapor / spray.

In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice.

In case of contact with skin, wash immediately with soap and water or a recognized skin cleaner.

Keep away from sources of ignition. No smoking. Keep out of reach of children.

IMPORTANT NOTICE:

These products are sold subject only to the expressed warranties contained herein. Additional warranties, expressed or implied, and any warranty of merchant ability is hereby excluded. Buyer agrees that seller assumes no liability for consequential damages of any kind, which result from the use or misuse of the merchandise sold hereunder. In the event that the buyer proves that any goods received do not conform to the specifications agreed to between the parties or if the buyer proves that such goods were defectively manufactured. The buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the non-conforming goods at the option of the seller. Such remedy being exclusive of all others and the sole remedy available to the buyer, hereby expressly waives any claim to additional damages.



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