



HB EPOXY PROTECT 200

High Build Epoxy Maintenance Coating

Product Description:

HYDROBLOC HB Epoxy Protect 200 is a two-component, high-build, phenalkamine-cured epoxy coating designed for protection of steel and concrete substrates in atmospheric environments. It provides excellent adhesion, corrosion resistance, and fast curing, making it suitable for maintenance applications requiring rapid return to service.

Key Features & Benefits:

- High-build coating – suitable for single coat application
- Fast curing for reduced downtime
- Excellent adhesion to steel and concrete
- Good corrosion resistance in atmospheric conditions
- Moisture-tolerant curing system
- Suitable for spray, brush, and roller application

Areas Of Application:

- Structural steel, pipelines, and tanks
- Industrial plants and equipment
- Bridges and marine atmospheric environments
- Concrete and galvanized substrates (prepared)
- Maintenance coating systems

Surface Preparation:

- Surfaces must be clean, dry, and free of contaminants
- **Steel:** Abrasive blasting to Sa 2½ recommended (St 2/St 3 for maintenance)
- **Concrete:** Sound, dry, and free from laitance
- **Galvanized steel:** Light sweep blasting or mechanical abrasion

Mixing Instructions:

- Mixing ratio: 4 : 1 (Base : Hardener)
- Mix Component A thoroughly before adding Component B
- Mechanically mix for 2–3 minutes until homogeneous

Application Guidelines:

- Apply using airless spray, brush, or roller
- Ensure uniform film thickness as specified



HYDROBLOC
BUILT ON PERFORMANCE

HB Epoxy Protect 200

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- Maintain substrate temperature above dew point (+3°C)
- Relative humidity should be < 85%
- Ensure proper ventilation during application

Coverage/ Consumption:

Coverage: 2.5 – 4.7 m²/kg

Consumption: 0.21 – 0.40 kg/m²

Typical DFT: 120 microns

Pot life: 2–4 hours at 25°C

Curing & Protection:

Surface dry: 2–3 hours @ 25°C

Overcoating: 6–8 hours @ 25°C

Full cure: ~7 days

Protect from moisture and contamination during curing

Packaging:

HB Epoxy Protect 200 is supplied as two-component system

Component A (Base)

Component B (Hardener)

Storage & Shelf life:

Store for up to 12 months in unopened packaging. Keep in cool, dry conditions away from frost and moisture and direct sunlight.

Health & Safety:

Use appropriate PPE (gloves, mask, goggles). Ensure adequate ventilation during mixing and application. Refer to the MSDS for full handling and disposal information.

TECHNICAL DATA SHEET



HEAD OFFICE: Plot # 70/5, Timber Pond, East Wharf Road, Keamari-Karachi 75620

TELEPHONE: +92 300 2288788

WEBSITE: www.patsapakistan.com EMAIL: salesteamtwo@patsapakistan.com

PATSA
Protective Solution



HB Epoxy Protect 200

Technical Data:

Property	Value
Colour	Grey (custom on request)
Solids (by volume)	~60 ± 2%
Density (mixed)	~1.60 kg/L
VOC	~0.35 – 0.40 kg/L
Finish	Matt to semi-gloss
Adhesion	Excellent
Water Resistance	Very good
Abrasion Resistance	Very good
Chemical Resistance	Good
Corrosion Resistance	Good to very good