

HYDROBIT SP

Solvent Based Bituminous Primer

Description:

HYDROBIT SP is a quick drying cold applied solvent based low viscosity bitumen primer. It is a blend of high penetration of selected bitumen emulsified with less boiling range of hydro carbon solvents, to give an easy applied coating. It is generally used as an all-purpose bituminous primer on steel and concrete, prior to the application of waterproofing coating, to improve the bonding of bitumen membrane.

HYDROBIT SP is suitable for the treatment of concrete, asphalt, metal, roofing felt and other similar surfaces whether flat, sloping or vertical.

Applications:

- Primer prior to bitumen waterproofing application.
- General water proofing applications
- Damp proofing of cement sheets.
- Roofing felts, wooden substrates.
- Anti Corrosive Protection for steelworks.
- As curing membrane for concrete.
- As vapour/salt barrier and damp proofing behind granite, marble, curtain walls, etc.
- Anti-bacterial anti-fungus coating
- As a curing compound on freshly casted concrete

Advantages:

- Vapour permeable allows substrate to breathe.
- Reduced chloride penetration.
- Simple and easy to use.
- Superior adhesion to substrate.
- Non-slumping.
- Easy application due to paintable consistency.
- Excellent coating protection against sulphate ions and dioxide diffusion
- Low viscosity, which allows good penetration into concrete pores.
- Improves the adhesion between waterproofing membrane and concrete surfaces.
- Can be used to act as a binder for dust particles.

Instructions for Use:

Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease.

Cut and reseal blisters in asphalt or roofing. Remove chippings other than those that form the surface of mineralized felt. Old concrete and steel must be structurally sound prior to application.

Mixing:

HYDROBIT SP is a single component ready to use emulsion. Shake the barrel well to mix any settled material prior to application.

Application:

HYDROBIT SP can be applied with a roller, trowel, brush or a spraying machine. It is recommended to apply two coats in case of roller or brush applications. Second coat should be applied at right angle to the first coat. Minimum rate of spreading for each coat should be at a rate from 5 to 6 m² per liter per coat.

HYDROBIT SP should be applied on dry surface only. When subsequent coats are applied, each coat should be completely dry before the next coat in order to avoid possible air bubbles due to evaporation of solvent in the subsequent coat.

HYDROBIT SP can be applied on several kind of surfaces such as concrete, blocks, brick, corrugated sheets, asbestos. For application on metal surface (zinc, steel, etc.), it is not recommended to keep it exposed as the coating will be soften and crack due to high temperature climate.

Technical Compliance:

HYDROBIT SP conforms to:

- ASTM D2939, C309, ASTM D41
- BS3416

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Packaging:

HYDROBIT SP is available in 20 and 200 liter drums.

TECHNICAL PROPERTIES:	
Solid Contents	: 55% + / -3%
Specific Gravity	: 0.9@ 25°C
Service Temperature	: -30°C to + 85°C
Viscosity @ 25°C	: 25-125 S
Drying Time	: 4 hours at 35°C
Over Coating Time	: 14 hours at 35°C
Appearance	: Dark Black Coating
Chemical Resistance	Water, aqueous groundwater salt solutions, mild detergent, acids and alkalis

Coverage:

HYDROBIT SP achieves coverage of 5 to 6 square meters per liter.

Storage:

Stored in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

HYDROBIT SP can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean all tools with clean solvent before product hardens.

Health and Safety:

- Use goggles and gloves during application. Do not breathe the vapor of the product. Use only in well ventilated areas.
- Avoid contact with eyes or skin.
- In case of eyes contact, clean immediately with plenty of clean water and seek medical care.
- Store the product in covered shed and keep it away from flame source.
- HYDROBIT SP contains a large proportion of flammable solvent and must not be exposed to a naked flame or sparks. The flash point (COC) is 50°C. The vapor given off is narcotic and care should be taken not to inhale it. If applying in an enclosed area, provide adequate ventilation and wear breathing apparatus.

MATEX Rev.02-0221

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

