

Shieldprime BP

Highly Penetrative Bituminous Primer



Description

Shieldprime BP is a ready-to-use, solvent-based, cold-applied, highly penetrative primer, designed to be applied on concrete, masonry, and other porous surfaces before the installation of waterproofing membranes to improve the adhesion and ensure a more durable seal.

Uses

- Priming concrete, masonry, metal and asphalt.
- A priming coat before applying bituminous coatings.

Characteristics / Advantages

- Easy to use.
- Excellent penetration properties.
- Provides a layer of waterproofing protection on surfaces.
- Improves the adhesion of bituminous coatings or membranes to substrates.
- Quick drying.
- Highly durable and resistant to environmental factors.

Shelf Life and Storage

Shieldprime BP has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, moisture and any source of ignition. Shelf life may be reduced if the recommended storage conditions are not followed.

Packaging

Shieldprime BP is supplied in 16-L buckets.

Standard Compliance

JS 684

ASTM D 41, type 1

Typical Properties

Type of Solvent	Petroleum Hydrocarbon
Flash Point @ 23°C	≥ 40°C
Distillation volume Up to 225 C Up to 350 C	Not less than 35 Not more than 65
Viscosity (Saybolt Furol)	25 – 125 s
Tests on residue from distillation	
Penetration @25°C, 100g, 5 sec	20 – 50
Solubility in tri-chloroethylene %	Not less than 99
Water Vol %	0.5 max
Resistance to Chemicals	Alcohol salt solutions, dilute acids and alkalis

Application Instructions

1. Surface Preparation

The substrate must be free from dust, loose materials, surface contamination, and any materials that may reduce bond or prevent penetration of the primer.

New concrete must be fully cured and dried before priming. Application temperature is 2 – 50 °C

2. Application

Shieldprime BP can be applied in a single coat and should be well scrubbed in a brush, ensuring a thin coating is applied.

The surface is considered dry to touch in 2 – 4 hours. Full drying is 12 – 24 hours.

3. Coverage

0.3 – 0.5 Liters per m^2