

Product Data Sheet

CasTech Prime SB

Nov-2025, Ver. 01.01



Solvent-Based Bitumen Primer to ASTM D41 and BS 3416

DESCRIPTION

CasTech Prime SB is a solvent-based liquid primer that greatly enhances the adhesion of bituminous waterproofing membranes to substrates. It acts as a primer and sealer coat for masonry and concrete to improve the bonding of bituminous materials.

TYPICAL USES

General primer for concrete and brick before applying modified bitumen membranes. It may be applied to a wide range of surfaces, including:

- Concrete and brick
- Metal
- Asbestos cement
- Lightweight concrete screeds

ADVANTAGES

Key advantages:

- Binder for dust particles
- Anti-corrosive
- Versatile primer for porous and non-porous surfaces
- Improves adhesion between bitumen-based sheet membranes and coatings
- Cold applied – no heating, thinning or mixing required

STANDARDS

CasTech Prime SB conforms to the requirements of ASTM D41 and BS 3416.

TYPICAL PROPERTIES

Colour	Black liquid
Specific Gravity @ 25°C (ASTM D1475)	0.9 (± 0.01)
Solid Content (ASTM D1644)	> 45.0%
Drying Time @ 25°C	1 – 3 hours
Flash Point	Flammable
Solvent Type	Petroleum solvent

All values are subject to 5 – 10% tolerance. Drying time depends on substrate, temperature, humidity and thickness.

SURFACE PREPARATION

The surface must be clean, dry and free of oil, grease and loosely adhering particles before priming with **CasTech Prime SB**.

APPLICATION

Mix the contents of the pail or drum for a few minutes to disperse any sediment. Apply straight from the container by brush, squeegee, roller or spray at 5 – 6 m²/L to a clean, smooth, dry surface. Allow the primer to dry naturally before applying the membrane. On highly porous surfaces, a second coat is recommended.

CLEANING

Clean tools immediately after use in a strong soap solution and keep brushes soaking in this solution between applications. Hardened material needs physical scraping followed by treatment with white spirit.

PACKAGING

200 L drums, 20 L and 15 L pails.

STORAGE AND SHELF LIFE

Store in a covered area under normal warehouse conditions, away from direct sunlight and protected from extreme temperatures. Keep containers tightly closed. Shelf life is 12 months from the date of manufacture.

HEALTH AND SAFETY

CasTech Prime SB contains volatile solvent with a low flash point (< 42°C). Keep well away from naked flames.

PPE: Gloves, protective masks and goggles should be worn during application.

Precautions: Avoid inhalation of vapours and ensure adequate ventilation. If swallowed, seek medical attention immediately.

Additional information: Refer to MSDS (available on request).

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TECHNICAL SUPPORT

CasTech provides on-site assistance and consulting services on

projects when requested. Technical data sheets on other CasTech products and guidance on their use are available on request.

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