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a.b.e.® Construction Chemicals

bitu.®seal plastic

GENERAL PURPOSE BITUMEN MASTIC

DESCRIPTION

bitu.®seal plastic is a hydrocarbon solvent-borne, asbestos-free, reinforced bituminous mastic.

USES

bitu.®seal plastic is a heavy duty mastic sealer and repair compound. **bitu.®seal plastic** may be used to seal most roofing defects: sheeting laps, valleys, gutters, down-pipes, enlarged screw holes, to repair roof cracks, flashings, cracked tiles and patch repairs to tanks

ADVANTAGES

- Economical waterproofing compound
- Easy to apply
- May be over-coated

SURFACE PREPARATION

All surfaces to be clean, dry and sound.

BONDING/PRIMING

Prime with a coat of **bitu.®prime**, which should be allowed to dry prior to over-coating, except for steel which must be coated with a suitable anti-corrosive primer like **4 metal primer**.

MIXING

Stir well before use.

TYPICAL PHYSICAL PROPERTIES

Density	1.25 to 1.27 Kg/L
Color	Black
Finish	Matte
Flash point	30°C
Consistency	Mastic

TYPICAL PHYSICAL PROPERTIES DURING APPLICATION

Volume solids	75%
Dilution	Do not dilute
Application rate	As needed up thickness to 30 mm
Practical coverage for estimating purposes: Full overlap and screw-head treatment on corrugated iron roof (150mm wide flashing): 1L per 2,25m run In general: 1L per m ² per mm thickness	
Drying time @ 25°C	Touch dry: 12 hrs

TYPICAL PHYSICAL PROPERTIES OF DRIED FILM

Max. service temp	Dry: 70°C Wet: 40°C
Min. service temp	-10°C
Water resistance	No tainting once skin has formed
Water resistance	Excellent
Solvent resistance	Not resistant
Chemical resistance	Resists: 10% Hydrochloric acid 10% Sulphuric acid 10% Phosphoric acid 40% Caustic soda

APPLICATION

bitu.®seal plastic may be applied by trowel, putty knife, extrusion gun or gloved hand.

bitu.®seal plastic can be used in conjunction with a glass fibre membrane. The membrane must be set into the still wet film of **bitu.®seal plastic**.

CLEANING

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with **abe® super brush cleaner** followed by washing with soap and water.

PROTECTION ON COMPLETION

Where the **bitu.®seal plastic** is ultimately to be exposed to the effects of sunlight and ultra-violet radiation, it is recommended that, some 3 - 4 weeks after being applied, it be over-coated with **silvakote**.

TEMPERATURE AND RELATIVE HUMIDITY

Application temp range:	5°C to 40°C, but material should be warmed to at least 10°C before use.
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MODEL SPECIFICATION

General-purpose bitumen mastic.

The mastic will be **bitu.®seal plastic**, a hydrocarbon solvent-borne, reinforced bituminous mastic applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**. The mastic will be water resistant and have a density of 1.5-1.7 Kg/L

PACKAGING

500 ml, 1L, 5L, 25L and 200L containers.

HANDLING & STORAGE

bitu.[®]seal plastic has a shelf life of 24 months from date of manufacture if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened. This product should be tightly sealed while being stored.

HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.[®] Construction Chemicals** sales representative.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.[®] Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.[®]** has no direct or continuous control over where and how **a.b.e.[®]** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.[®]** products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

a.b.e.[®] Construction Chemicals has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

