a.b.e.® Construction Chemicals

bitu.®joint putty

BITUMINOUS COLD-APPLIED JOINT SEALING COMPOUND

DESCRIPTION

bitu.®joint putty is a filled, modified bitumen putty-like cold-applied jointing compound.

USES

bitu.®joint putty is used for the sealing of low movement vertical and inclined joints. Not suitable for joints under traffic conditions. **bitu.®joint putty** may also be used for "open joints".

ADVANTAGES

- Economical sealing compound.
- Easy to apply.

SURFACE PREPARATION

All surfaces to be clean, dry and sound. Surface laitance should be removed by a light grit blasting.

BONDING

After preparation, all treated surfaces should be primed with **abe® bitu.®prime**. This primer coat must be touch-dry before the sealant is applied.

MIXING

bitu.®joint putty is generally too stiff to be used directly from the container at normal temperatures. Stand the container in very hot water until the compound has softened sufficiently to work/soften by hand. Do not immerse the container completely nor allow water into the compound. Never apply direct heat to the compound. **DO NOT DILUTE.**

COVERAGE

Dependent on joint size. Refer to table for estimates.

COVERAGE FOR ESTIMATING PURPOSES				
Cross section of joint (mm)	12 x 20	20 x 30	40 x 45	50 x 75
m/kg	2.9	1.0	0.63	0.22
NOTE: No wastage has been allowed for				

TYPICAL PHYSICAL PROPERTIES	
Density	1.4kg/L
Colour	Black
Flash point	> 200°C

TYPICAL PHYSICAL PROPERTIES AFTER APPLICATION	
Service temperature	-10°C to +80°C
Movement tolerance	2.5% of neutral joint width
Solvent resistance	Will not resist solvents, greases, animal fats, vegetable or mineral oils
Chemical resistance	Will resist most salt solutions, dilute acids and alkalis

APPLICATION

Joint geometry and design

When sealing with **bitu.®joint putty** the depth of sealant (D) must never be less than the width (W) of the joint. Ideally D should be 1,5 W, with W having a maximum dimension of 50-60 mm. The minimum width of any joint should be 40 times the anticipated movement of the joint. The sealant must always be fully supported by a joint filler e.g. **dura.®cord/dura.®sheet**. Joints in water retaining structures should always be filled with 100kg/m^3 density **dura.®sheet** and not with bitumen impregnated soft-board.

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Joint filling

When **bitu.®joint putty** is sufficiently softened, roll into a strip and caulk into the primed joint slot ensuring good contact to the sides and bottom of the joint. To obtain a neat finish, over-fill the joint slightly and then cut off excess material with a heated paint scraper. Warm and iron into place with heated scraper tool.

CLEANING

Tools 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

Not required.

APPLICATION TEMPERATURE

Placing temperature: Warm container to about 45°C.

MODEL SPECIFICATION

Low-movement (2,5%), cold-applied, bituminous joint-sealing compound.

The joint sealing compound will be **bitu.®joint putty**, a one-part, modified, filled bitumen sealant applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**, including **a.b.e.® bitu.®prime primer** as required.

PACKAGING

6 kg container and 25 kg bag.

HANDLING & STORAGE

This product has a shelf life of 24 months from date of manufacture if kept in a cool, dry place in the original packaging. In more extreme conditions this period might be shortened.

LIMITATIONS

bitu.®joint putty is restricted to joints with movement not greater than 2.5%.

HEALTH & SAFETY

The use of gloves and eye protection is advised. Splashes into the eye should be washed out with plenty of clean water and medical advise sought.

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.