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BINDER FOR **abe.®co** FLOORING SYSTEM AND HEAVY DUTY BITUMINOUS COATING

DESCRIPTION

Thixotropic water dispersed bitumen emulsion.

USES

flintkote 3 is a general purpose bituminous coating and vapor barrier and flooring system binder. See **abe.®co** and **tank base mastic**.

ADVANTAGES

- Waterproof coating and vapor barrier.
- Easy, cost effective.
- Waterproof binder for mastic flooring which is easily repairable.
- Suitable for waterproofing membrane (with fabric and UV protection).
- Potable water containment.

COLOUR

Black.

SURFACE PREPARATION

Steel – must never be coated directly with **flintkote 3**. **abe® bitu.®prime** should be used as a first coat and preparation of the steel must be as specified for the primer.

Galvanised steel – must be free of oil, grease and anti-white rust treatment. Scrub the surface thoroughly with a paste made from **abe® super brush cleaner** and an abrasive soap. This may be applied with a cleaning pad (e.g. Scotchbrite). Thoroughly wash away all residues using clean water.

Concrete and other porous surfaces – must be free of all dust and laitance.

The first coat of **flintkote 3** should be diluted 1:1 with clean water. See data sheet '

PROPERTIES OF WET MATERIAL

Density (typical)	1,0 g/cm ³
Colour	Brown, drying to black
Finish	Matt
Flash point	None
Dilution	Clean water
Consistency	Smooth thixotropic paste
Toxicity	Mildly toxic while liquid

PROPERTIES DURING APPLICATION

Volume solids (typical)	55%
Recommended average dft per coat	550 µm
Theoretical coverage for above dft	1 m ² /L on smooth surfaces
Wet film thickness at above	1 mm
Maximum recommended wft	1,25 mm
Drying time @ 25 °C	24 hours but determine by inspection Rub film with wet finger
Overcoating time @ 25 °C	24 hours
Application temperature range	5 °C to 50 °C
Do not apply if	Surface is less than 2 °C above dew point
Fire resistance of wet film	Non-flammable

PROPERTIES OF DRY FILM

Service temperature	Maximum dry: 60 °C Minimum: -10 °C
Solvent resistance	Not resistant
Toxicity	Non-toxic
Water tainting	Non-tainting

BONDING/PRIMING

Dilute 1:1 with water for porous surfaces. Application rate 6.7 m²/L. The coverage rate may change subject to the surface texture and absorption properties. Use **bitu.® prime** on steel.

MIXING

Stir **flintkote 3** well before use, using a flat paddle.

COVERAGE

1,25 m²/L as coating for both coats; 7 L/m² as binder. Coverage rate may change subject to the surface texture and absorption properties.

APPLICATION

flintkote 3 is normally applied by brush and generally should not be applied thicker than specified. A coat should be thoroughly dry before application of a second coat. This can be easily determined by rubbing the surface with a wet finger. If the finger remains clean, the surface is dry enough to overcoat. **flintkote 3** can be used in conjunction with a glass fibre membrane to build up and reinforce thicker coats. The membrane must be set into the still wet film of **flintkote 3** and ideally all bubbles and wrinkles should be removed by means of a laminating roller.

The film is allowed to dry and then a second coat is applied at a sufficient thickness to completely obliterate the weave and pattern of the membrane. Where the **flintkote 3** film is finally 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 overcoated with **silvakote**.

CLEANING

Ordinary clean water or **abe® super brush cleaner**.

PROTECTION ON COMPLETION

Protect against traffic and spillage until cured. If exposed to direct extensive sunlight, overcoat with **abe® silvakote**.

TEMPERATURE AND RELATIVE HUMIDITY

High humidity slows evaporation of water dispersant.

MODEL SPECIFICATION

Water dispersed single-component, general purpose bitumen emulsion supplied by **a.b.e.® Construction Chemicals**, installed to manufacturer's instructions.

PACKAGING

flinkote 3 is supplied in 5 L, 25 L and 200 L yield metal containers.

HANDLING & STORAGE

flinkote 3 has a shelf life of 12 months if kept in a dry, cool place in the original, unopened container. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

HEALTH & SAFETY

flinkote 3 is mildly toxic and non-flammable. Ensure the working area is well ventilated during application and drying. Avoid inhalation of dust and contact with skin and eyes. Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. The use of barrier creams provides additional skin protection. If contact with skin occurs, wash with water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

Cured **flinkote 3** is inert and harmless.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavors 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.

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