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a.b.e.® Construction Chemicals

bitu.® seal liquid

HEAVY DUTY BITUMINOUS COATING

DESCRIPTION

bitu.® seal liquid is a solvent-borne mineral and fibre-filled bituminous coating.

USES

bitu.® seal liquid is a heavy duty coating for almost all situations. Contains no inhibitive pigments against corrosion of steel, therefore should be applied over a primer under these circumstances.

ADVANTAGES

- Asbestos free
- Cold applied waterproofer
- Heavy-duty protective coating
- Easy to apply
- Economical

TYPICAL PHYSICAL PROPERTIES

Density	1.25Kg/L
Colour	Black
Finish	Matte
Flash point	36°C
Consistency	Heavy filled liquid

TYPICAL PHYSICAL PROPERTIES DURING APPLICATION

Volume solids	46%
Recommended ave. dft per coat	300µm
Wet film thickness at above	650 µm (1mm max.)
Theoretical coverage for above dft	1.5m ² /L per coat on a smooth dense surface
Recommended number of coats	Two
Practical coverage for estimating	1m ² 1L per coat (less on textured surfaces)
Over-coating time @25°C	24 hrs minimum
Drying time @25°C	12 hrs

SURFACE PREPARATION

Any surface to which **bitu.® seal liquid** is applied must be clean, sound and dry. Steel – must be free of grease, oil, rust and scale. For best results steel should be abrasive blast cleaned to a minimum standard of SA 2 on the Swedish Code of Practice SIS 055900. If hand cleaned, a standard of SA 3 should be aimed at. Galvanised steel – must be completely free of grease and of anti-white rust compounds, which should be removed by scrubbing with a mixture of **abe® super brush cleaner** and abrasive soap. All residues must be washed off with clean water.

TYPICAL PHYSICAL PROPERTIES OF DRIED FILM

Maximum service temperature	Dry: 70°C Immersion: 40°C
Minimum service temperature	-10°C
Accelerated weathering resistance	1 500 hrs without chalking, cracking or blistering
Impact resistance @ 0°C	2.25 joules
Salt spray resistance	Passes 40 hrs
Water resistance	Excellent
Solvent resistance	Not resistant

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

Timber – must be clean and fairly smooth.

Weathered roofing membrane – remove all dust and chalky surface products.

BONDING/PRIMING

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

MIXING

bitu.®seal liquid must be stirred well to disperse fillers, and intermittent stirring during use is advisable. Always use a flat paddle.

APPLICATION

bitu.®seal liquid may be applied by stiff brush, such as a worn paint brush. **bitu.®seal liquid** can be used in conjunction with a glass fibre membrane to build and reinforce thicker coats. The membrane must be set into the still wet film of **bitu.®seal liquid** 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.

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 liquid** 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**. **bitu.®seal liquid** is also an excellent reviver coat for roofing membranes that are showing signs of breakdown of their binder. The cleaned surface should be treated with **bitu.®prime** and a final coat of **silva.®kote** should be applied over the **bitu.®seal liquid** film.

TEMPERATURE AND RELATIVE HUMIDITY

Application temperature range: 5°C to 40°C

Do NOT apply if humidity is in excess of 85%.

Do NOT apply if surface is less than 2°C.

MODEL SPECIFICATION

Heavy duty bituminous coating for bridge abutments, foundations, retaining walls and similar installations.

The coating will be **bitu.®seal liquid**, a solvent-borne, fibre-filled, bituminous solution applied in accordance with the recommendations of **abe® Construction Chemicals**, including **bitu.®prime** or **4 metal primer** where necessary. The solution will have a minimum solids content of 46%.

PACKAGING

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

HANDLING & STORAGE

3 years, if stored protected from extreme weather conditions.

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.

