

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.

FEATURES & BENEFITS

- 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	-10°C
Accelerated weathering	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 and 5L containers.

HANDLING & STORAGE

3 years, if stored protected from extreme weather conditions.

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