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a.b.e.® Construction Chemicals

abe.®proof liquid membrane

HIGHLY ELASTIC, DURABLE, LOW MAINTENANCE LIQUID MEMBRANE FOR WATERPROOFING

DESCRIPTION

abe.®proof liquid membrane is a single pack, solvent borne, rubberised, liquid applied waterproofing membrane that is highly elastic and durable, requiring low maintenance.

USES

abe.®proof liquid membrane can be used to waterproof most building substrates, typically this includes:

- Non-porous screeds, concrete, wood, polyurethane and bituminous surfaces
- In addition it can be used for the refurbishment of existing, new and old bitumen membranes without the removal thereof

ADVANTAGES

- Seamless, singular membrane
- Superior water resistance, stands up to water ponding
- High elasticity and durability offering good tensile strength
- Excellent thermal stability
- Excellent adhesion to most prepared substrates
- Fast curing, second coat applied after 4 hours and full cure in 24 hours
- Moisture insensitive, can be applied in cool, warm and humid conditions
- No fabric reinforcement required for standard applications
- Quick turn-around time due to the simplicity of application makes it economical
- Contains a minimum of 10% recycled product

TYPICAL PROPERTIES		
Description	Test Method	Results
Form	Visual	Liquid
Finish	Visual	Gloss
Colour	Visual	Light grey
Density	abe TM 233	0.99
Viscosity	abe TM 209	8 000 cPs
Non-volatiles	abe TM 22	54.0%
Elongation (ASTM)	D 412	464%
Tensile strength (ASTM)	D 412	7.6 N/mm ²
Drying time	Visual	4 hours
Water absorption	abe TM 254	0.07% (24 hours) 0.18% (48 hours) 0.63% (7 days)
Application temperature		+5 °C to 35 °C
Spread rate (WFT)		1.66 m ² /L (0.6 L/m ²)/coat
Number of coats required		2

SURFACE PREPARATION

All surfaces are to be clean, sound, dry, free of all laitance, grease, fungal growth and loose flaking particles. This can be achieved by wire brushing or suitable high pressure washing, finally rinsing with clean water.

New galvanised iron:

The surface has to be thoroughly cleaned using sugar soap or any other grease cutting detergent to remove oils followed by thorough rinsing or high pressure washing using clean water to reveal a clean, sound, water break free surface.

Old galvanised iron:

Remove all loose rust, dirt, salts of zinc corrosion and scale by means of wire brushing, sanding, chipping, or mechanical scouring – down to bright metal followed by thorough rinsing or high pressure washing using clean water to reveal a clean, sound, water break free surface.

Wood:

A solvent wipe using MEK or oil free acetone to remove any natural wood oil prior to application.

MIXING

Slow mixing or thorough stirring using a flat paddle is recommended to re-homogenise the product prior to application.

PRIMING

Priming is a surface conditioner that offers optimum performance of the product.



PRIMING

- All surfaces are to be primed using one coat of **abe.®proof liquid membrane primer** prior to the application of the abeproof liquid membrane.
- Some porous surfaces such as Asphalt, wood or bitumen deficient surfaces may require additional coats of the **abe.®proof liquid membrane primer**
- Galvanised and metal surfaces – prime with **abe.®4-metal primer**

APPLICATION

When a primer is used allow the **abe.®proof liquid membrane primer** to dry for 45 minutes before applying the **abe.®proof liquid membrane** top coats.

The product may be applied by brush, short nap roller or airless spray equipment.

Two coats are required allowing 4 hours between coats, each coat is to be applied at a rate of 0.600 litres/m²/coat WFT (1.66 m²/L/coat) resulting in a minimum of 600 µm DFT (dry film thickness) for the full application.

(20 litres will cover approximately 16 m²)

TOP COAT

silvakote eco or **super laycryl** (emulsion based) are used to provide UV protection to exposed areas of **abe.®proof LM liquid waterproofing membrane**, applied in two coats, the first coat at 2.2 m²/L and the second coat at 2.5 m²/L.

PROTECTION ON COMPLETION

All surfaces require suitable protection from dirt and contamination between coats and until the final coating has fully cured.

COVERAGE

Approximate coverage:

1 L will cover 1.66 m²/coat providing a WFT of 600 µm per coat, 2 coats are required.

(20 litres will cover approximately 16 m²)

MODEL SPECIFICATION

A highly elastic, durable, low maintenance liquid membrane for waterproofing.

The waterproofing will be **abe.®proof liquid membrane**, single pack, solvent borne, liquid applied waterproofing membrane applied in two coats at a rate of 0.6 L/m² per coat in accordance with the recommendations of **a.b.e.® Construction Chemicals**.

PACKAGING

abe.®proof liquid membrane is supplied in:

5 litre (code: 95202005)

20 litre (code: 95202020)

CLEANING

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

HANDLING AND STORAGE

abe.®proof liquid membrane has a shelf-life of 12 months if kept in a dry, cool area, store in the original, unopened packs. If stored at high temperatures and/or high humidity conditions, the shelf-life may be reduced.

HEALTH AND SAFETY

Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn.

Ensure adequate ventilation and do not smoke, use flame or naked lights during application. If material is splashed into the eye, wash with plenty of clean water and seek medical attention.

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.

CONDITIONS OF WARRANTY

The product (**abe.®proof liquid membrane**) must be applied as per the recommendations and specifications per the datasheet.

Conditions of the 10 year product warranty will be dependent upon the various methodologies employed.



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