

## HIGH PERFORMANCE ECO FRIENDLY PU LIQUID APPLIED WATERPROOFING MEMBRANE

### DESCRIPTION

**abe.® Hybrid PU** is a flexible liquid applied single-pack “fibrated” water-based polyurethane waterproofing membrane which is fast drying and has excellent chemical resistance properties.

### USES

**abe.® Hybrid PU** may be used in the following applications:

- Waterproofing of concrete roofs
- Waterproofing and protection of parapet walls and flashings
- Waterproofing of external facades
- Lining faulty gutters and down-pipes

### ADVANTAGES

- Free of tar, bitumen, solvents or any hazardous substance
- High elongation, non-blistering and UV resistant
- Fungus resistant
- Fast drying characteristics
- Suitable for use in confined areas
- No mixing required, easy to use single component liquid applied system (highly recommended for waterproofing high detail areas)
- Flexible, seamless application, high solid content with rapid curing properties
- Does not stain tiles or marble

### TYPICAL PHYSICAL PROPERTIES

Solid Content (ASTM D2369)	± 50 %
Viscosity (ASTM D562)	3000 - 4500 cps
Density (ISO 2811)	1.16 – 1.30
Colour	White
Minimum recommended dft	0.7 – 0.8 mm
Application (ASTM D823)	Uniform
Packaging	20L and 5L
Shelf-life	12 months
VOC	< 30 g/L
Consumption	1 m <sup>2</sup> /L

### SURFACE PREPARATION

All surfaces to be clean, dry, sound and free of all laitance, grease, oil or loose and flaking particles.

Highly recommended to pre-treat the substrate with 1 coat of **Fibrated Superlaycryl** to ensure optimum adhesion and sealing of substrate.

#### Concrete:

All **new concrete** slabs must be allowed to cure for at least 6 weeks. **Old concrete** must be cleaned with a strong commercial grade detergent or degreaser, then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.

#### Render:

Newly rendered surfaces must be allowed to cure for at least 28 days.

**Previously painted systems** must be thoroughly scrubbed and thereafter rinse and sanitise with water and fungicidal wash and treated with adequately prior to application of **abe.®Hybrid PU**

## PRECAUTIONARY NOTES

- Do not apply if the temperature is above 45 degrees Celsius.
- Delay external applications when inclement weather is imminent.
- Do not apply on bitumen left-overs, oil and greasy substrate.
- Not recommended to apply on metal and plastic substrate.
- Do not thin **abe.®Hybrid PU**, as it is supplied ready for use.
- Ponding should be avoided at least 48 hours after the final application of **abe.®Hybrid PU**.
- Always wear protective equipment when doing application – gloves & goggles

## MIXING

Stir well before use.

## APPLICATION

All surfaces to be treated must be as clean and dry as possible.

Ensure surface is free from grease, oil or bitumen from previous coatings.

It may be necessary to abrade areas where dirt or scale cannot be removed with a stiff broom.

Check surface for cracks, splits, flashing, coverings, etc.

**abe.®Hybrid PU** should be applied in three coats directly from the pail.

- Apply a 1<sup>st</sup> coat of **abe.®Hybrid PU** for a wet-film thickness of approx. 100 microns
- Allow the 1<sup>st</sup> coat to dry for 2 hours
- Apply a 2<sup>nd</sup> thick coat of **abe.®Hybrid PU** for a wet-film thickness of approx. 500 microns
- Allow the 2<sup>nd</sup> coat to Dry for 1 hour

- Apply a 3<sup>rd</sup> thick coat of **abe.®Hybrid PU** for a wet-film thickness of approx. 500 microns

## COVERAGE

1L = 1m<sup>2</sup> (Full system – 3 coats)

## CLEANING OF EQUIPMENT

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with water.

## PROTECTION ON COMPLETION

Whilst **abe.®Hybrid PU** is designed for an extended life, it is important to apply a maintenance coat (**abe.®Hybrid PU**) every 5 years.

**Note:** Do not cover final cured system with stones or stone chippings.

## MODEL SPECIFICATION

The waterproofing/flashing system will be **abe.®Hybrid PU**, a single-pack, elastic water based PU compound applied in accordance with the recommendations of **Saint-Gobain Ocean Indien Ltd.**

## PACKAGING

5L and 20L containers

## HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

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