



PRODUCT DESCRIPTION

AH - 25 is a new **Liquid Waterproofing System** based on alpha-hybrid, silane terminated polyether technology. While it exceeds most performance criteria of polyurethane, PMMA and other solvent based systems, it also eliminates many of the disadvantages associated with these products. **AH - 25 Liquid Waterproofing System** complies with the BBA and European Technical Approval Guidelines (ETAG) for liquid applied roof waterproofing for all listed use categories.

PACKAGING & SHELF LIFE

AH-25 Liquid:
15 L (22 kg) Bucket

AH-25 Fabric:
100m X 100mm
100m X 250mm
100m X 500mm
100m X 1m

Shelf life 12 months if unopened containers stored between 4°C and 32°C.

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USES & ADVANTAGES

AH - 25 Liquid Waterproofing System is a single liquid component roofing system which is isocyanate free, contains no solvents, has very low volatile organic compounds (VOC) and does not require classification or marking as a hazardous substance. It is fully reinforced with a polyester membrane and is moisture curing. Being largely independent of the weather it can be applied under practically any conditions, even on cold, damp days.

- Cost effective, wet – on – wet application
- Water repellent on application
- Can be applied all year round above 0°C
- Ready to use, single liquid component
- Can be re-coated
- No wastage – product can be stored and reused
- Fully reinforced with polyester fabric
- Excellent elasticity and tensile strength
- Strong adhesion to most conventional substrates
- Resistant to standing water
- Vapour permeable
- No shrinkage – 100% solids

- Root resistant – ideal for 'green roof' projects
- UV stable
- Non hazardous – solvent free, very low VOCs
- Virtually odourless

Recommended Uses:

- New build, repair or refurbishment projects
- Flat roofs, balconies, terraces, walkways
- Complex detailing, up-stands, penetrations and terminations
- Recoating failed single ply roofs
- Fountains and water features
- Warm roofs, cold roofs, and inverted warm roofs
- Green roofs, brown roofs and living walls
- Internal plant rooms and wet rooms
- Heritage properties and lead replacement
- Waterproofing gutters, valley gutters and drainage channels
- Waterproofing asbestos or fibre cement
- Waterproofing profiled metal roofs
- Wind turbine posts

PHYSICAL PROPERTIES

AH - 25 Liquid Waterproofing System			
Base Material	Solvent-free silane terminated polyether	Application Temperature	Range of 0 - +45 °C.
Density	Approx. 1.35 g/cm ³ (ISO 8962)	Surface Limits	-20 °C to 80 °C
Colour	Slate Grey Also available in custom colours	Drying Time	20 °C / 60% relative humidity, Approx. 2 hours
Chemical Acids & Alkali Resistance	DIN 16726	Coverage Rate	(Minimum. 2 l/m ²)
		Foot Traffic	Light foot traffic

APPLICATION INSTRUCTIONS

Preparation: Surfaces must be free from dust, loosely adhering particles, chippings, oil, grease, algae, mildew or fungal growth. While AH-25 can be applied to damp surfaces the moisture content of the substrate must be less than 7%. Stir the product thoroughly with a mechanical mixer (2 - 3 minutes).

AH-25 can be applied directly to most substrates without the need for primers. However on certain surfaces and substrates primers may be required: please see the Surface Preparation Chart or contact our Technical Department for advice. If adhesion is in doubt, perform an Adhesion Test.

Application: Application temperature should be in the range of 0°C to 45°C. Please be aware of the effect of dew – our recommendation is that the substrate temperature should be at least 3°C higher than the temperature at which dew forms – i.e. the 'Dew Point.'

Method: This is a wet-on-wet system. Apply the base coat of AH-25 to the substrate using a brush or roller. Place the fabric into the liquid so that saturation occurs. Ensure that no air is trapped beneath the fabric and that there are no creases in it. Apply the top coat of AH-25 to the saturated fabric using a brush or roller ensuring that a smooth finish is achieved and that the fabric is completely covered. Leave to cure.

APPLICATION INSTRUCTIONS (CONT.)

Detailing: All detailing should be applied before proceeding with the field area. Where boards meet, all joints must be covered with a 100mm wide strip of fabric before applying the field area. If there are gaps of more than 2mm between boards, cover with a strip of 50mm wide aluminium tape before applying the fabric strip. For up stands, penetrations and edge details use 250mm wide fabric before applying the field area. Where a second layer of fabric is to be applied e.g. when laying field area over 100mm detail strips, it is not necessary to apply a saturation coat to detail strips until applying the field area, unless a night seal is necessary.

Field Areas: Use the wet-on-wet method described above to apply one metre wide fabric to the field area. Make sure

all fabric overlaps by at least 100mm. Night joints should be abraded before over coating. Any areas to be recoated or repaired after 16 hours must be abraded before over coating (see Surface Preparation Chart for details).

Coverage: The coverage rate of AH-25 will vary depending on the porosity of the surface, texture of the substrate and whether a primer is necessary. As a general guideline the coverage rate is 2.0 L/m² (minimum)

LIMITATIONS & PRECAUTIONS

The system is water repellent on application. However, if rain does fall within 2 hours, it may "pit" the surface causing small indents which will require a light overcoat once it is dry, to ensure a smooth finish.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).

CLEAN UP

Uncured **AH - 25** can be dissolved with mineral spirits. Cured **AH - 25** can only be removed mechanically.