

AH-25

Fast-curing, easy to apply liquid
waterproofing with superior performance



AH-25 is a one-component liquid waterproofing system which offers significant advantages over conventional PU and PMMA systems. It is fully reinforced with a polyester fabric and cures quickly – it can be applied under practically any conditions, even on cold days and on most surfaces.

AH-25 is ideal for small scale or large commercial projects, whether they are new or refurbishments.

Description

AH-25 is an innovative liquid waterproofing system based on alpha-hybrid, silane terminated polyether technology. Not only does it exceed most performance criteria of other liquid systems including polyurethane and PMMA, it also eliminates many of the disadvantages associated with these products. **AH-25** is slate grey in colour. Custom colours are available.

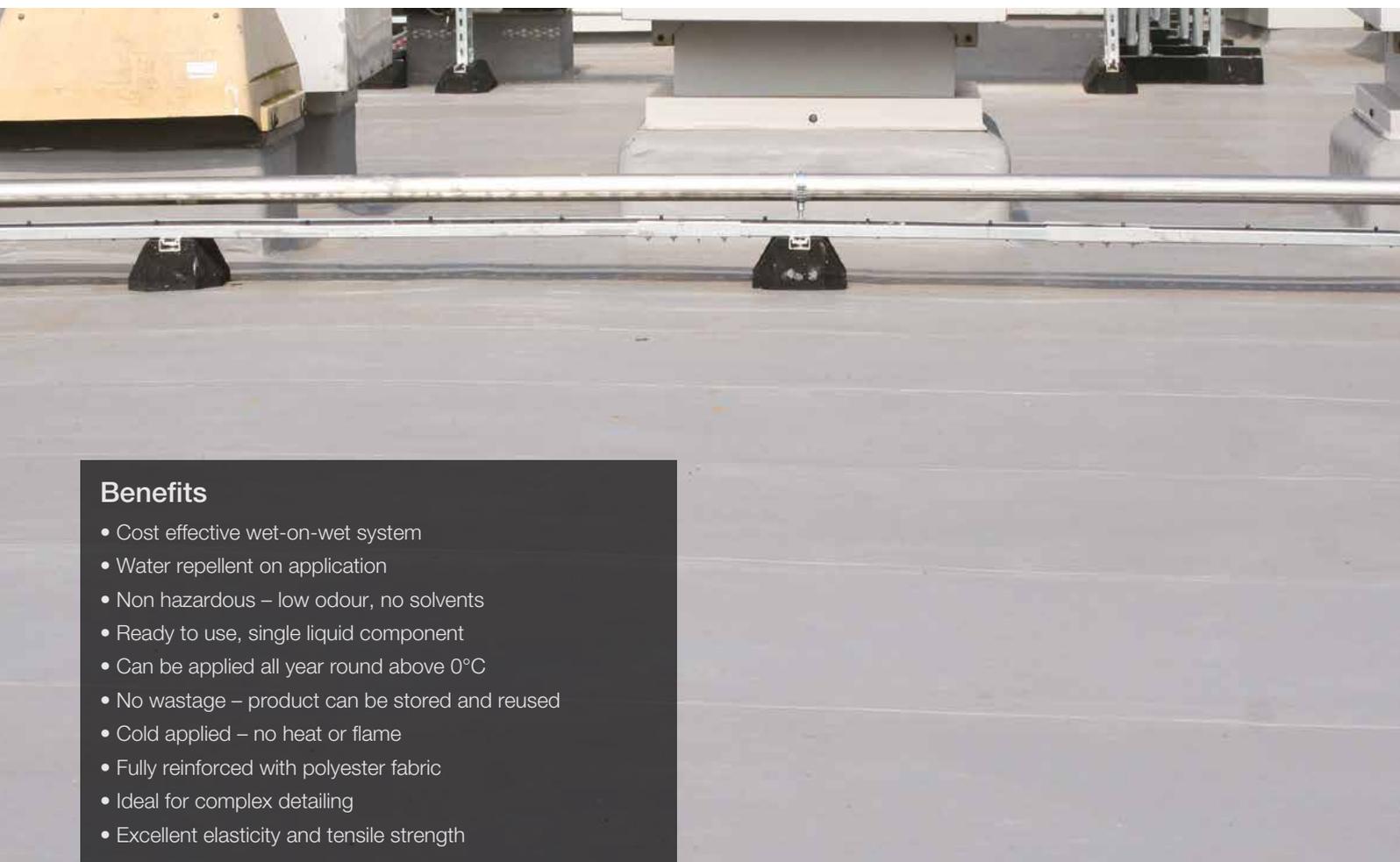
Approvals

AH-25 complies with the European Technical Approval Guidelines for liquid applied roof waterproofing kits (ETAG 005) for all listed use categories. It holds BBA Certification number 14/5140. It is classified as a non-hazardous substance according to EU Directive 1999/45/EC. FM Certification pending.

AH-25 holds FLL Green Roof approval.

Typical applications

- New build, repair or refurbishment projects
- Flat roofs, balconies, terraces, walkways
- Complex detailing, upstands, 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



Benefits

- Cost effective wet-on-wet system
- Water repellent on application
- Non hazardous – low odour, no solvents
- Ready to use, single liquid component
- Can be applied all year round above 0°C
- No wastage – product can be stored and reused
- Cold applied – no heat or flame
- Fully reinforced with polyester fabric
- Ideal for complex detailing
- Excellent elasticity and tensile strength

Sitework

Preparation

As a minimum, clean and prepare surfaces to receive waterproofing by removing all loose and flaking particles, grease and laitance with the use of a stiff bristle push broom and/or washing. Make all necessary repairs to existing substrate.

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.

Coverage rate: 2 litres/m².

Detailing

All detailing should be applied before proceeding with the field area.

Where boards meet, all joints must be covered with **AH-25** 100mm Self Adhesive Jointing Tape, before applying the field area.

For upstands, penetrations and edge details use 250 mm wide fabric before applying the field area.



Typical specification

New roof

Substrate

Primer (not required)

Base coat: **AH-25** liquid (applied by brush or roller)

Reinforcing membrane: 110gsm polyester fleece

Top coat: **AH-25** liquid (applied by brush or roller)

Total coverage rate of 2 litres/m² minimum

Refurbishment

Existing roof

On bituminous substrates Blocker Primer must be used.

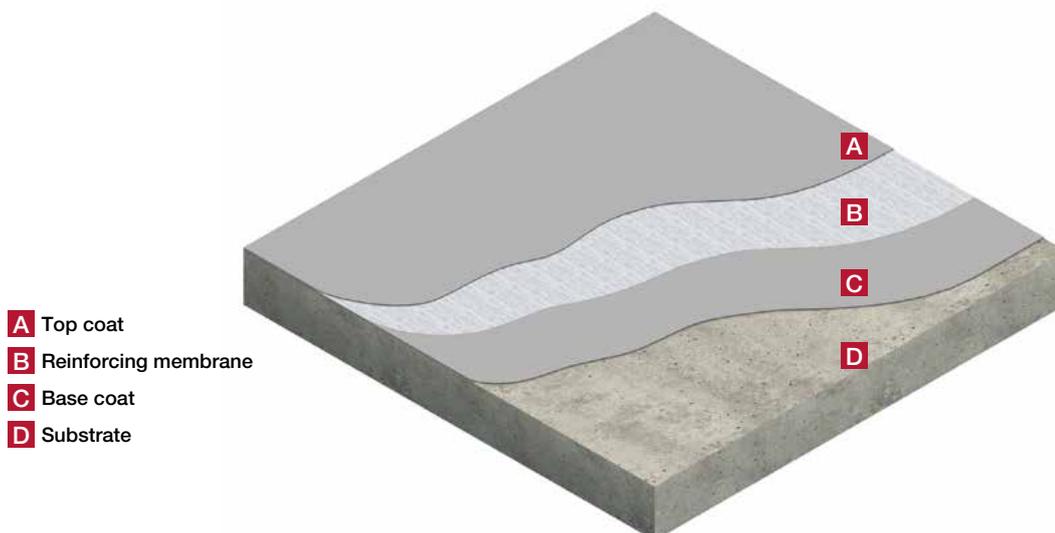
On other substrates refer to manufacturers instructions

Base coat: **AH-25** liquid (applied by brush or roller)

Reinforcing membrane: 110gsm polyester fleece

Top coat: **AH-25** liquid (applied by brush or roller)

Total coverage rate of 2 litres/m² minimum



- A** Top coat
- B** Reinforcing membrane
- C** Base coat
- D** Substrate



Take the risk out of roof design...

- The right products for your project to meet requirements for:
 - Carbon capture
 - Insulation
 - Roof longevity
 - Energy generation
- Design covered by our PI insurance
- Genuine choice of waterproofing
- Part of a FTSE 250 company



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About SIG Design Technology

SIG Design Technology is a part of SIG Roofing, a leading division of SIG plc, a FTSE listed company and the UK's market leading specialist supplier to professionals in the building and construction industry.

SIG Design Technology has put together an 8-step guide to identify the challenges and ensure that a roof's design meets a building's requirements.

Called **#PerfectRoof**, the eight steps follow the process from product selection and design expertise through to full guarantees and planned maintenance. Its know-how is just part of the service that is provided absolutely free to customers.

