

INTRODUCTION

HYDROSTOP AH25+ Liquid Waterproofing System is a low odour, solvent-free, single component, fleece reinforced liquid roofing and waterproofing system, ideal for both commercial and domestic applications.

DESCRIPTION

HYDROSTOP AH25+ Liquid Waterproofing is a single component modified polyurethane, moisture curing coating applied in multiple layers in conjunction with a polyester reinforcing fleece. The coating is vapour permeable, and suitable for use on both new and remedial projects. HYDROSTOP AH25+ Liquid Waterproofing is available in a mid-grey colour, and is supplied in 4 litre and 15 litre tins.

DELIVERY

The product is delivered to site in containers packed on pallets, wrapped in polythene. Each container is marked with the manufacturer's name, product description and the appropriate hazard and risk labels.

STORAGE

Containers should be stored in a dry and cool environment on a flat, level, and clean surface away from sources of ignition, including pilot lights and sparks. Protect the product against moisture, direct sunlight and extremes of temperature.

Keep containers tightly closed when not in use. Opened tins should be re-sealed and can remain usable for several months.

In original unopened containers, the shelf life is 12 months from the date of manufacture.

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INTENDED USE

HYDROSTOP AH25+ Liquid Waterproofing is suitable for use as an exposed membrane in both new and refurbishment projects, particularly where traditional methods of waterproofing may prove difficult.

It is intended for use where limited foot traffic is anticipated, but may also be used in conjunction with the HYDROSTOP AH+ anti-skid walkway system on projects where additional surface protection is required.

SURFACE PREPARATION

Ensure the substrate is sound, clean, dry and free of frost, dust and debris, and any material which would hinder adhesion.

APPLICATION CONDITIONS

Apply only when atmospheric and substrate temperatures are greater than 5 °C. The surface of the substrate should be clean and dry and must be 3 °C above the dew point. If the surface is below or at dew point temperature then moisture can form at the surface and affect coating adhesion and curing.

For optimal ease of application, HYDROSTOP AH25+ Liquid Waterproofing should be above 12 °C.

Personal Protective Equipment (PPE) should be worn.

PROPERTIES

Container Size	4 L or 15 L
Form	Liquid
Colour	Mid-grey
Application Rate	Min. 2.0 L/m ²
Coverage per Pack	4 L: approx 2.0 m ² 15 L: approx 7.5 m ²
Workability Period	60 mins*
Rainproof After	Approx 20 mins*
Walkable After	Approx 4 - 8 hours*
Cured	Approx 72 hours*
Thickness	Minimum 2 mm
Shelf Life	12 months

* Dependent on environmental conditions. Values attained at 23 °C and 50% relative humidity. Times given are reduced with higher (and increased with lower) surrounding and work surface temperatures.

APPLICATION METHOD

Prior to the application of the HYDROSTOP AH25+ Liquid Waterproofing, prime the substrate with an appropriate HYDROSTOP AH+ Primer, and allow to cure.

Coating Preparation

Once opened stir HYDROSTOP AH25+ Liquid Waterproofing thoroughly. Be careful not to over stir the coating as over stirring can introduce air to the coating. Allow to settle for 5 minutes if air bubbles are visible within the coating.

Where the consistency of the coating appears thick, place the container in a warm environment (e.g. large bucket of warm water) as raising the temperature of the coating will improve viscosity.

Application

In accordance with the minimum coverage rates above, apply approximately two thirds of the HYDROSTOP AH25+ Liquid Waterproofing above the primed substrate as the base layer using a brush or roller.

Immediately apply the HYDROSTOP AH25+ Premium Reinforcing Fabric into the base layer and roll the surface with a perlon roller, eliminating potential air bubbles. Overlaps in the reinforcing fabric should be a minimum 75 mm.

Apply immediately the remaining one third of HYDROSTOP AH25+ Liquid Waterproofing above the reinforcing fabric as the top layer.

Roll out evenly until complete saturation is achieved. Ensure the overlap areas (above and below the overlapping fabric) are fully saturated to maintain continuity of the waterproofing system.

COVERAGE RATE

HYDROSTOP AH25+ Liquid Waterproofing is applied 'wet-on-wet' allowing full membrane application in a single process. The minimum application rate for HYDROSTOP AH25+ Liquid Waterproofing membrane is 2.0 litres/m².

Coverage rates are dependant upon substrate porosity and texture.

CLEANING

Clean tools immediately after use. Uncured HYDROSTOP AH25+ Coating can be dissolved with mineral spirits. Wash hands thoroughly after use.

Note: This information is given in good faith being based on the latest knowledge known to SIG Design & Technology. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

TYPICAL SPECIFICATION

Roof waterproofing system to be HYDROSTOP AH25+ Liquid Waterproofing System. The membrane is to be installed and sealed in accordance with the relevant codes of practice and with the manufacturer's instructions.

NBS SPECIFICATION

HYDROSTOP AH25+ Liquid Waterproofing System can be specified using the following clauses:

Clause: J31/110; J31/120; J31/130

Product: HYDROSTOP AH25+ Liquid Waterproofing System

Manufacturer: SIG Design & Technology, Mannheim House, Gelders Hall Road, Shepshed, Leicestershire, LE12 9NH. Tel: 01509 505714.



QUALITY ASSURANCE

HYDROSTOP AH25+ Liquid Waterproofing is supplied under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



QMS: Q5556

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DISPOSAL

Liquid	EWC	08 04 09
Cured	EWC	08 04 10

HEALTH & SAFETY

The material safety data sheets, hazard warnings and safety recommendations on the units must be observed during transport, storage, and application. Do not allow into the sewer system or ground.

TECHNICAL SERVICES

Specialist advice and design guidance on all matters relating to the HYDROSTOP AH25+ membrane is freely available from our Technical Support Team.

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