

ONE-COMPONENT ACRYLIC ELASTOMERIC WATERPROOFING COATING

hahne AR-SEAL is a single component acrylic-based elastomeric waterproof membrane coating designed as a seamless, flexible waterproofing layer for roofs, terraces and other suitable building surfaces. It is available in green colour and is intended for applications where UV stability is not required.



PRODUCT INFORMATION

Area of Applications

- Roofs and terraces of buildings – flat and sloping.
- New and existing concrete surfaces and suitable cementitious waterproofing systems.
- Over suitable existing bituminous and acrylic coatings.
- Reinforced cement fibre sheets and dry-wall partitions.
- China mosaic tiles and metal roofs.
- Wet areas and other suitable waterproofing applications.

Features and Benefits

- Water-based acrylic elastomeric waterproof membrane coating.
- Seamless and flexible waterproofing membrane with good crack-bridging capability.
- Good water resistance and breathability.
- Can be applied on suitable damp surfaces.
- Good resistance to alkali, chalking and flaking.

Consumption

Approx. 1.7 - 1.8 kg/m² @ 1 mm DFT in two coats.

*Consumption will vary depending on site and substrate conditions

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TECHNICAL SPECIFICATIONS

Property	Test Method	Result
Non-Volatile Content (Solid Content)	ASTM D 1644-2001	> 65%
Recoatability Time	ASTM D 1640-2014	8 hrs
Tensile Strength	ASTM D 412-2016	> 1 N/mm ²
Elongation at Break	ASTM D 412-2016	> 150 %
Crack Bridging Ability	EN 1062-7(A)-2004	1.5 mm
Resistance to Hydrostatic Pressure (Negative Side) @ 5 Bar	ASTM D 7088-2017	Pass
Depth of Water Permeability @ 5 Bar	EN 12390-8-2019	Nil
Pull-off Adhesion Strength	ASTM D 7234-2022	> 1 N/mm ²
Water Vapour Transmission Rate	ASTM E 96-2024	60 g/m ² ·24 Hrs.

APPLICATION PROCEDURE

Surface Preparation

- The substrate must be sound, stable, clean and free from dust, loose particles, oil, grease, algae, fungus and other contaminants that may adversely affect adhesion.
- Remove all weak, loose or poorly bonded material from the substrate by suitable mechanical means and ensure that the surface is adequately prepared before commencing application.
- Existing cracks, joints, surface undulations and other visible defects should be suitably repaired using compatible repair materials before application of the waterproofing system.
- Ensure that the substrate has a suitable surface profile and is free from standing water. The surface should be allowed to attain suitable conditions before priming.

Priming

- Stir **hahne PrimeStick-AR** thoroughly before application to ensure uniform consistency.
- Apply a single, uniform coat of **hahne PrimeStick-AR** over the prepared substrate using a suitable brush or roller.
- Ensure complete and uniform coverage, particularly over porous areas, corners and other locations where additional penetration may be required.
- Allow the primer to dry completely before proceeding with the application of **hahne AR-SEAL**. The primer should not remain wet or tacky at the time of membrane application.

Application

- Stir **hahne AR-SEAL** thoroughly before application to ensure a uniform and homogeneous material.
- Apply **hahne AR-SEAL** using a suitable brush or roller in two uniform coats, maintaining the recommended consumption for achieving the required dry film thickness.
- Apply the first coat uniformly over the primed substrate, ensuring that the material is evenly distributed without excessive build-up, pinholes or missed areas.

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- Where reinforcement is specified as part of the waterproofing system, immediately embed the recommended non-woven polyester reinforcement into the first coat while the material is still wet. Use a suitable roller to ensure proper wetting of the reinforcement and to remove trapped air or wrinkles.
- Allow the first coat to dry adequately before applying the second coat. The second coat should be applied uniformly and preferably in a direction perpendicular to the first coat to ensure consistent coverage.
- Ensure that the required total dry film thickness is achieved after completion of the specified coats. Additional material may be required depending on substrate porosity, surface profile and site conditions.
- Protect the freshly applied coating from rain, water, dust and other contamination until it has sufficiently dried.
- Avoid application when the ambient or substrate temperature is below 5°C or above 35°C, and do not apply during foggy conditions.

PACKAGING, STORAGE AND SAFETY

Packaging

- **hahne AR-SEAL** is available in 25 kg buckets.

Storage and Shelf Life

- Store the adhesive in a cool, dry place, away from direct sunlight and moisture, to maintain its quality.
- The shelf life of the product is 12 months if stored in its original sealed packaging.

Safety Instructions

- Use protective gloves and safety glasses during application.
- Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not ingest.
- Non-toxic and non-flammable.
- Refer to the Safety Data Sheet before use.

DISCLAIMER: The information and application guidelines provided by the company and its representatives are intended solely as a general reference. Users are strongly encouraged to conduct their own tests and trials to verify the product's suitability for their specific requirements before proceeding with full-scale use. As the identification of underlying issues, the quality of other materials and the workmanship on-site are beyond our control, we cannot offer any express or implied guarantees regarding the results. The company disclaims any liability for damages or unsatisfactory outcomes that may arise from the use of our products.