

AQUAFIN®-RS300

Rapid setting hybrid waterproof membrane

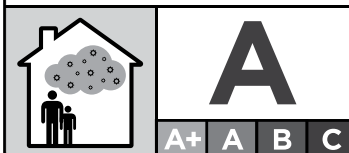
Properties:

- 2 component
- Multi-functional
- Hydraulic cure and self cross-linking
- Rapid reactive setting, practically climate independent
- Very low loss on drying
- After 3 hours resistant to rain and foot traffic and ready for overcoating
- Can be applied by brush, trowel or with suitable spray equipment
- Bonds to damp cementitious substrates without priming
- Simple effective application
- Flexible and crack-bridging
- Suitable for all sound, loadbearing conventional substrates used in construction
- For interior and exterior use



CE	
SCHOMBURG GmbH & Co. KG Aquafinstrasse 2-8 · D-32760 Detmold 14 2 04208	
EN 14891 AQUAFIN-RS300 Liquid-applied water impermeable cement-based product for use beneath ceramic tiling in external areas	
EN 14891: CM	
Initial tensile adhesion strength:	≥ 0.5 N/mm ²
Tensile adhesion strength	
after water contact:	≥ 0.5 N/mm ²
after heat aging:	≥ 0.5 N/mm ²
after freeze/thaw cycles:	≥ 0.5 N/mm ²
after contact with lime water:	≥ 0.5 N/mm ²
Water impermeability:	no water penetration
Crack bridging:	≥ 0.75 mm

ÉMISSIONS DANS L'AIR INTÉRIEUR*

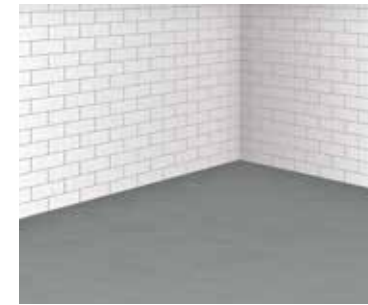


* Information about the emission level of volatile compounds in indoor air, which pose a health risk by inhalation, on a scale from class A+ (very low emissions) to C (high emissions).

Product application:

Place approx. 50-60 % liquid component into a clean mixing bucket and stir in the powder until a homogenous, lump free mix is achieved. A mixing time of approx. 2-3 minutes is necessary when mixing with power tools (approx. 500-700 rpm). Add the remaining liquid component afterwards. Depending on the method of application, up to a maximum of 1.5% clean water (0.5 l/35 kg) can be added to AQUAFIN-RS300.

1. Prepare the substrate appropriate to its requirements.
2. Pre-wet the cementitious substrate so that it is matt damp at the time the AQUAFIN-RS300 is applied. Prime very porous and slightly sanded substrates with ASO-Unigrund. Allow the primer to dry before successive work steps.
3. Apply a minimum of two coats of AQUAFIN-RS300 by brush or trowel. Only apply the second and successive coats once the one beneath will not be damaged by foot traffic or during application (approx. 4-6 hours, depending on environmental conditions). An even thickness is achieved by using a 4 to 6 mm notched trowel followed by smoothing flat. Avoid applying thicknesses greater than 3 kg/m² as a single coat as there is a risk of cracks appearing in the waterproof layer due to the high binder content. Alternatively AQUAFIN-RS300 can be spray applied with suitable equipment such as e.g. HighPump M8 (Peristaltic pump), HighPump Small or HighPump Pictor (screw feed pump). Information on the above can be obtained from HTG HIGH TECH Germany GmbH.
4. For forming water impermeable movement and connecting joints use the ASO-Joint-Tape system. Using a 4-6 mm notched trowel, apply AQUAFIN-RS300 to both sides of the joint to be bridged to a min. 2 cm wider than the Joint-Tape. Lay the ASO-Joint-Tape system into the wet coat and then thoroughly press down into the waterproofing coat with a steel trowel or hard roller, without voids or folds. Ensure that a solid bed and complete wetting is achieved as far as possible. Bonding must be carried out in such a way as to exclude water migration around the back of the ASO- Joint-Tape system. Lay the Joint-Tape system in a loop over movement joints. Overlap Joint-Tape ends by min. 5 to 10 cm fully bonded with AQUAFIN-RS300 without voids or folds, then overcoat.
5. Floor drains should have a thin-bed flange of a minimum circumferential width of 5 cm to take the ASO-Joint-Sleeve and consist of suitable materials for bonding, such as e.g. stainless steel, gun metal or PVC-U.
6. Thin-bed bonding of the tiles is carried out with polymer modified adhesives such as e.g. AK7P, MONOFLEX-XL, SOLOFLEX, UNIFIX-2K/6 etc.



1 Load-bearing substrate



2 Cleaning the substrate



3 Priming the substrate, e.g. with ASO®-Unigrund



4 Filling out the waterproofing membrane at the pre-determined mix ratio



5 Mixing the waterproofing membrane



6 Bonding the ASO®-Joint-Tape into the first coat of the waterproofing membrane



7 Application of the first coat of waterproofing membrane



8 Allow the first coat to dry



9 Application of the second coat of waterproofing membrane



10 Finished waterproofing membrane ready to receive finishes