

AQUAZIP RDY

DATA SHEET

Ready-to-use elastic waterproof coating paste for interiors



Plastic containers



Interior flooring



Metal trowel



Brush



Interiors



By hand



Roller

Composition

AQUAZIP RDY is a one-component ready-to-use elastic waterproofing membrane able to adapt to the thermal expansions of the support. It is composed of solvent-free elastomer resins, specific additives to improve workability and adhesion.

Supply

- Cans of approx. 5 and 15 kg

Use

AQUAZIP RDY can be applied in interiors on vertical and horizontal surfaces. This coating is suitable for waterproofing before applying ceramic, mosaic and natural stone tiles on concrete, cement or anhydrite floor screeds, cement or gypsum plaster, on plasterboard walls and existing ceramic tile and natural stone coverings, for interiors. Ideal for waterproofing bathrooms and showers and damp rooms.

Certifications and regulations

AQUAZIP RDY meets the performance requirements for class DM-O1 of EN 14891:2012 - (Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives).

Substrate preparation

In general, the application surface must be cured, level and flat, intact, dry and free of rising damp, dimensionally stable and mechanically resistant. Any traces of oil, grease, wax, paints, varnishes etc. must be removed beforehand, as well as any crumbling or loose parts.

Cementitious surfaces: to level off irregular surfaces, use GAPER 3 mortar.30 or LEVEL 30. Repair deviations in height or horizontal unevenness in interiors, where there are no slopes, using smooth coats SL 416 or SM 485, depending on the required thickness. Any cracks or recasting on horizontal surfaces will be structurally sealed using FASSA EPOXY 300 epoxy sealant. For screeds or cement surfaces with low surface strength, scarify beforehand using an abrasive disc until obtaining a strong base and, after careful cleaning, if necessary treat the substrate with PRO-MST primer.

Concrete: in the event of damaged or degraded parts, exposed reinforcing bars or voids, repair using suitable Fassa Bortolo structural mortars.

Gypsum or anhydrite surfaces: the residual moisture content of the substrate must be less than 0.5%.

Existing floors: carefully inspect the existing flooring, which must be firmly bonded to the substrate. Any detached or loose parts must be removed beforehand, and the gaps filled with GAPER 3.30 or LEVEL 30. To clean the flooring, use mechanical abrasion cycles and then vacuum up the surface dirt. Do not use a high-pressure washer to clean the old flooring, as this will lead to more water in the underlying substrate.

For correct application, please see the technical documents for each individual product described above.

Mixing and application

Firstly, treat all critical points (joints between horizontal and vertical surfaces, division and perimeter joints, drains, etc.) with AQUAZIP ELASTOBAND; for bonding, use AQUAZIP RDY (for further information, see the AQUAZIP ELASTOBAND datasheet).

The first coat of AQUAZIP RDY is applied on the substrate so as to create a uniform, continuous 1 mm layer without holes, by long nap roller, brush or trowel. When the first coat is dry and no longer sticky to touch, typically around one hour after application, the second coat is applied perpendicularly, obtaining a continuous waterproof film. Drying times depend on substrate absorption, temperature-humidity conditions and the thickness of the coating applied.

If there are small cracks on the substrate, in the first layer of AQUAZIP RDY, before this dries, embed and impregnate FASSATNT 80 needle-punched polypropylene nonwoven fabric, pushing it in using a spiked roller.

Make sure there are no tiny holes in the coating before applying coverings, if necessary seal any holes using another coat of AQUAZIP RDY.

Tile the surface using AD 8 + FASSACOL LATEX S2, AZ 59 FLEX or FASSACOL EASY LIGHT S2. For Spain and Portugal FASSAFLEX, FASSAFLEX TOP. If quick setting products are required, RAPID MAXI S1, in any case at least 3-4 hours after application of AQUAZIP RDY, in normal humidity and temperature conditions.

Close the pack of remaining AQUAZIP RDY for reuse in subsequent applications.

Always mix before using.

Warnings

- Product for professional use.
- Do not use on bitumen coatings.
- Do not use on insulation material (lightweight underlays, expanded or extruded polystyrene panels, etc.).
- Do not use on surfaces subject to foot traffic which remain exposed.
- Do not use outdoors.
- Avoid freezing and quick drying of the fresh product.
- When bonding the covering, walk carefully over the waterproofing membrane in order to prevent any possible damage.
- Use FASSA TPE 170 and the corresponding complementary products for waterproofing structural joints.
- Wash all equipment before the product sets. Otherwise, residues of the product will have to be removed mechanically.
- Do not use in places subject to rising damp or with continuous immersion.

AQUAZIP RDY it must be used in its original state without the addition of foreign materials.

Safety rules

Always refer to the safety datasheet containing the physical, toxicological and other data relating to operator safety. Apply the product with suitable ventilation and away from sources of heat.

AQUAZIP RDY must only be used for the specified purposes in the manners described, and is intended exclusively for professional use.

Storage

Protect from frost. Keep for a maximum of 24 months in the sealed container. Once the product has expired, it must be disposed of in accordance with current legislation.

Quality

AQUAZIP RDY is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Appearance	blue paste
Specific weight	approx. 1,300 kg/m ³
pH	approx. 9
Brookfield viscosity	54,000 mPa·s (spindle 5-5 rpm)
Dry residue	approx. 68%
Application temperature	from +5°C to +35°C
Yield	approx. 1.3 kg/m ² per mm in thickness
Time between first and second coat	approx. 1 hour at 20°C and 65% RH (when the product is dry to touch)
Waiting time before applying tiles	approx. 3-4 hours
Complete drying time for 1 mm thickness	approx. 12 hours
Minimum application thickness per coat	1 mm

Standard EN 14891	Normative requirements	Conformity
Impermeability (1.5 bars for 7 days of positive lift)	No penetration and weight increase \leq 20 g	Compliant with standard EN 14891 Classified DM01
Crack bridging ability in normal conditions	\geq 0.75 mm	
Crack bridging capacity at low temperature (-5°C)	\geq 0.75 mm	
Initial tensile adhesion strength	\geq 0.5 N/mm ²	
Tensile adhesion strength after water immersion	\geq 0.5 N/mm ²	
Tensile adhesion strength after heat ageing	\geq 0.5 N/mm ²	
Tensile adhesion strength after freeze-thaw cycles	\geq 0.5 N/mm ²	
Tensile adhesion strength after contact with lime water	\geq 0.5 N/mm ²	

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.