AQUAZIP RDY

DATA SHEET

Ready-to-use elastic waterproof coating paste for interiors

Plastic containers

Interiors

Interior flooring

By hand

Metal trowel

Roller

Brush

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-01 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 friable parts.

Cementitious surfaces: to level off irregular surfaces, use GAPER 3.30 mortar (for the Portuguese market: GAPER 3.30 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 FASSAFLOOR EPOXY REPAIR 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 (for the Portuguese market: 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.

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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 datsheet).
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.
For the installation of ceramic or stone coverings, we recommend the use of highly deformable cementitious adhesives classified as S1 or S2 in accordance with EN 12004. Tile the surface using AD 8 + FASSACOL LATEX S2, AZ 59 FLEX or FASSACOL EASYLIGHT S2. For the Spanish and Portuguese markets, use FASSACOL ULTRAFLEX S1, FASSACOL TOPFLEX S1 or FASSACOL EASYLIGHT S2. 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 recommended for professional use.
- Do not use on bitumen coatings.
- Do not use on insulation material (lightweight underlays, expanded or extruded polystyrene panels, etc.).
- Do no 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.
- You must not release the water used to wash the tools and any product residues into the environment or dispose of them in domestic drains. The recipient/product/wash water must be disposed of in accordance with national laws.
- Do not use in places subject to rising damp or with continuous immersion.

AQUAZIP RDY 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 recommended for expert users.

Storage

Protect from frost. Store at temperatures above +5°C and below +30°C. If stored in a cool, dry place, away from sources of heat and sheltered from direct sunlight, in its sealed original packaging, the material has a shelf life of 12 months from the date of production stated on the label. Once the product has expired, it must be disposed of in accordance with current legislation.

Quality

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

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Technical Data

Appearance	blue paste
Specific weight	approx. 1,300 kg/m³
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/m² 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 ≤ 20 g	Compliant with standard EN 14891 **Classified DM01**
Crack bridging ability in normal conditions	≥ 0.75 mm	
Crack bridging capacity at low temperature (-5°C)	≥ 0.75 mm	
Initial tensile adhesion strength	≥ 0.5 N/mm²	
Tensile adhesion strength after water immersion	≥ 0.5 N/mm²	
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm²	
Tensile adhesion strength after freeze-thaw cycles	≥ 0.5 N/mm²	
Tensile adhesion strength after contact with lime water	≥ 0.5 N/mm²	

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 verify 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.