KREISEL

TECHNICAL DATA SHEET

AQUA DUO 822

Two-component polymer-cement waterproofing mortar

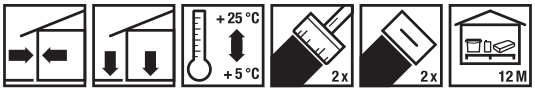
Areas of application

Two-component polymer and cement hydroinsulation for making sealing coats on terraces, balconies and in bathrooms, kitchens, etc. Also suitable for making water protecting underground insulations of building parts (cellars, foundations), resistance walls and concrete elements having contact with ground water as well as water basins and swimming pools. Designed for waterproofing in rooms on such substrates as concrete, cement-lime plasters, gypsum substrates, screeds, also with floor heating and others. The mortar is characterized by very high resistance to water, also under pressure, very large elasticity and capacity for bridging scratches and bed cracks with width of up to 0.75 mm. It is also a coating which protects concrete and reinforcement against corrosion caused by penetration of sulphates, chlorides and free carbon dioxide.

Properties

- Complete water-tightness
- High elasticity
- Waterproof
- Frost-resistant
- For terraces, swimming pools
- For insulation of foundations
- No reinforcing mesh required
- UV resistant

Application procedure



Technical data

Item number	36918	36996	37223
Packaging			
Quantity per unit	10,7 kg/unit	16 kg/unit	32 kg/unit
Unit per pallet	24 unit/Pal.		20 unit/Pal.
Colour	Grey		
Consumption	1,5 kg/m²/mm		
Tensile adhesive strength	≥ 0,5 MPa		
temperature resistance	-30 °C 60 °C		
Possibilities to enter	24 h		
Suitable for floor cover	3 d		

Technical data sheet | EN | 07.08.2026

AQUA DUO 822

Two-component polymer-cement waterproofing mortar

Item number	36918	36996	37223
Chromium content	≤ 0,0002 %		
Coating thickness	2-4 mm		
Time of use approx.	≥ 60 min		
Drying time	5 h		
Processing time	60 min		

Material base

- Component B - polymer dispersion
- Mineral fillers
- Modifying additives
- Portland cement
- Quartz sand

Application conditions

Apply at temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. All groundwork surfaces must be load-bearing, tight, stable, even and clean and, if required, primed with GRUNTOLIT-W 301 or GRUNTOLIT-SG 302 Scratches and cracks of bed more than 0.75 mm wide must be repaired by chiseling them and filling with the levelling grout 428 or another one adapted to the the type of bed. Special attention must be paid to preparation of edges (connections of walls and floors), in these places it is necessary to additionally set tapes and sealing corners or to round to the wall face (radius of min. 3 cm).

Surface

Concrete substrates must be at least 3 months old, while cement and cement-lime plasters and cement screeds must be at least 4 weeks old. Strongly absorbable and dusty substrates should be primed with GRUNTOLIT-W 301.
When carrying out work during high temperatures, it is recommended to spray with water.
Concrete, reinforced concrete: moisten with water, if very absorbent, prime with GRUNTOLIT-W 301
Cement plaster: moisten with water, if very absorbent, prime with GRUNTOLIT-W 301
Cement-lime plaster: Prime with GRUNTOLIT-W 301 or EXPERT 6
Cement screed: moisten with water, if very absorbent, prime with GRUNTOLIT-W 301
Autoclaved aerated concrete elements: Prime with GRUNTOLIT-W 301 or EXPERT 6
Bricks and ceramic CMUs, silicate: Prime with GRUNTOLIT-W 301 or EXPERT 6
Gypsum plasterboards: Prime with GRUNTOLIT-SG 302 or EXPERT 5

Preparation

The product is prepared in sets that facilitate mixing and dosing of individual ingredients. There are 2 types of sets available. 10.7 kg containing 2 bags of dry ingredient 4 kg each and a liquid ingredient in the amount of 2.7 kg, 16.0 kg containing 3 bags of dry ingredient 4 kg each and a liquid ingredient in the amount of 4.0 kg. Liquid component B must be poured to a tank and while pouring the dry component A keep stirring with a slow-speed drill with a mixer until homogenous mixture develops without lumps. Wait for 5-10 minutes and mix again.

Application procedure

The prepared mortar should be applied to the sealed surface with a brush, roller or steel float in layers of thickness depending on the type of waterproofing performed. The second layer must be applied after reaching appropriate strength which allows to step on the applied coating and continue further works, however not earlier than after 4-5 hours. Thickness of each applied layer should not bigger than 2 mm. Thickness of insulation is dependent on its type: Insulation of light type - advisable thickness 2 mm - coverage 3 kg/m2, Insulation of medium type - advisable thickness 2.5 mm - coverage 3.7 kg/m2, Insulation of heavy type - advisable thickness 3.0 mm - coverage 4.5 kg/m2. Special attention should be paid to laying the insulation carefully in corners, edges and rounding. Ceramic tiles must

AQUA DUO 822

Two-component polymer-cement waterproofing mortar

be laid after 3 days using the elastic mortar.

Instructions

Protect against precipitation, excessive sun rays, wind and frost during application and drying Avoid contact with skin and protect eyes. Detailed guidelines are included in the material safety data sheet.

Storage

The mortar can be stored for up to 12 months from production date in sealed packaging and at temperatures, ranging from +5 °C to +25 °C. The storage area shall be kept out of the reach of children, protected against direct sunlight and located far from heat sources and naked flames. It can be transported by any means of transport, at a temperature not lower than +5 °C. It is not subject to ADR provisions.

General information

This product data sheet replaces all its previous versions.The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions.The product shall be applied in accordance with required technical knowledge and OHS rules.Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.
All technical data listed in this product specification has been determined under laboratory conditions.