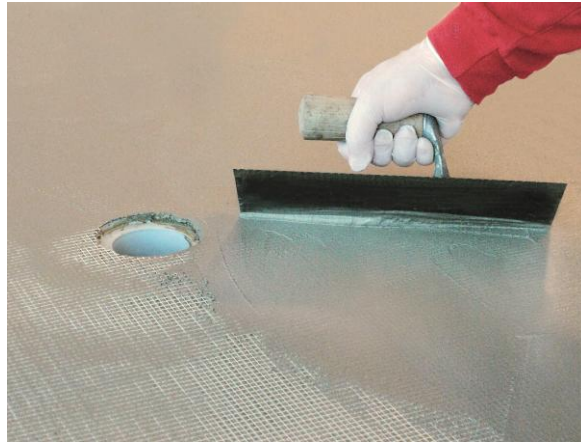


ADEPROOF MONO

Single-component flexible, waterproofing and protective cementitious grout.



Technical features

Cementitious waterproofing single-component grout, based on cements, selected aggregates, special additives and acrylic polymers in water dispersion, which ensure flexibility and waterproofing. Mixing ADEPROOF MONO with water only it is possible to get a smooth mix, that can be easily applied also on vertical surfaces, with a thickness up to 2 mm in a single coat. Thanks to the high content of synthetic resins and to their quality, it features an excellent adhesion on all the concrete, brick and ceramic surfaces, if appropriately prepared.

After the hardening, it creates a waterproof and flexible coat, resistant to aggressive weather agents. The product is totally waterproof up to a positive pressure of 1.5 atm.

ADEPROOF MONO belongs to the integrated waterproofing ADEPROOF SYSTEM by ADESITAL.

Conform to the European Norms EN 14891, class CMO1P, and EN 1504-2 (C), PI-MC-IR.
Very low emission of VOC (Class EC1 plus).

Applications

- Waterproofing membrane before the installation of ceramic floor tiles indoors in bathrooms and showers.
- Waterproofing membrane before the installation of ceramic floor tiles outdoors on balconies and terraces with medium surface (20-25 m²); enables to overlap a new floor, recovering the waterproofing, without demolishing the old floor.
- Flexible and waterproof protection of concrete surfaces and of renders.
- Waterproof and protective coating of concrete surfaces subject to chemical aggressions, such as anti-frost salts, sulphates, etc.
- Waterproof and flexible levelling of micro-cracked renders.
- Flexible levelling of concrete structures with thin sections, thus subject to load strain (e.g. prefabricated structures).

Advantages

- It can be applied on moderately damp substrates
- It can be easily applied by squeegee, roller, brush
- Adjustable viscosity depending on the application
- Excellent adhesiveness on: ceramic, stones, concrete, renders and cementitious grouts
- Good coating capacity on cracks

Important warnings

- Apply ADEBAND in the floor to wall joints.
- Use ADEBAND for making waterproof expansion joints.
- Use together with RETE RFV 150/2 especially in very stressed or micro-cracked areas.
- Do not use ADEPROOF MONO for large thickness restorations (over 2 mm every coat).
- Do not leave ADEPROOF MONO exposed on horizontal foot traffic surfaces.
- Do not apply ADEPROOF MONO at temperatures lower than +5°C or higher than +35°C.
- Do not apply ADEPROOF MONO on lightened substrates.
- Do not mix ADEPROOF MONO with other materials (cement, aggregates or water).
- Protect from rain or accidental water in the first 24-48 hours after the installation.
- In the hot season protect the packages from sun.
- The surface to be treated must be perfectly clean and solid: for the cleaning, use sanding or simple pressure water washing.
- Existing floors and walls in ceramic, klinker, terracotta, etc. must be well fastened to the substrate and without grease, wax, oil or paint that may decrease the adhesion.
- The substrate to be waterproofed must be suitably sloped.

Substrate preparation

Cementitious screeds in balconies, terraces and swimming-pools: settling cracks from plastic or hygrometric shrinkage must be sealed with ADERIP. The substrate to be waterproofed must be suitably sloped and must not have hollows (hollows down to 2 cm can be levelled by ADEGROUT 300 RAPIDO). The substrate to be treated must be perfectly clean, resistant, solid and dampened with water before applying ADEPROOF MONO.

Existing tiles: in case of overlapping on existing ceramic tiles, check they are all properly bonded. Clean and prepare the surface of the old floor carefully by a first washing with a suitable basic detergent, then wash with ADESIT CLEAN. If this is not sufficient, mechanically remove all loose parts and materials not enabling a proper bonding.

Renderers: They must be cured (7 days every cm of thickness) with suitable adhesion to the substrates and mechanical resistance. The substrate to be treated must be perfectly clean, solid and dampened with water before applying ADEPROOF MONO.

Protection and waterproofing of concrete surfaces: The cement or concrete surfaces must be solid, resistant, free of dust, efflorescence, traces of stripper oil, smears, loose parts and rust. Remove loose parts, possible cement residues, dust, grease and strippers by sanding, simple pressure water washing, water-scarifying. Recover and repair possible highly degraded areas using restoration grout ADEGROUT. Dampen the absorbing surfaces to be treated with water.

Grout preparation

Pour in a suitable clean container 5.4-5.8 l of water (for squeegee application); then, slowly add a 20 kg bag of ADEPROOF MONO stirring mechanically. Mix carefully by mechanical stirrer with low speed, till getting a smooth and clogless mix. Avoid preparing the mix manually.

Grout application

Spread a finish-levelling layer on the prepared surface by a smooth squeegee to improve bonding. Apply a first coat of ADEPROOF MONO up to a max. thickness of 2 mm. It is always recommended to bury fiberglass RETE RFV 150/2 in the ADEPROOF MONO first coat in very stressed or micro-cracked areas. Spread a second coat when the first one has hardened (after about 6 hours) up to a max. thickness of 4 mm of ADEPROOF MONO. Final levelling can be made a few minutes after the application with the same smooth squeegee.

Note Apply ADEBAND or ADEBAND AUTOADESIVO in the floor to wall joints, burying it in the ADEPROOF MONO grout. Apply ADEBAND also to make waterproof expansion joints.

Norms to be followed the application

After the installation, in very dry, hot or windy climate, it is recommended to protect the surface from fast evaporation with wet clothes.

Installation of ceramic tiles on ADEPROOF MONO membrane in balconies: after the application of ADEPROOF MONO wait at least 2-5 aging days (in the best conditions). Install wide-joint ceramics with ADEBOND+LATEX EL 300, ADEFLEX GREEN LIGHT S2, ADEFLEX GREEN LIGHT S1, EXTRA 30 MAXI. Joint with ADEPOXY MATERIA or FUGAMAGICA ZEROSEI MATERIA or FUGAMAGICA 3-20 BIO MATERIA TECH sealants, preferably mixed with latex IMPER 21, or FUGAMAGICA MATERIA POWER. Expansion joints must be sealed with the suitable sealants ADESIL MATERIA and SILFLEX P.

Installation of ceramic tiles on ADEPROOF MONO membrane in swimming-pools: after the application of ADEPROOF MONO wait at least 2-5 aging days (in the best conditions). Install wide-joint ceramics with EXTRA 30 MAXI. For the installation of glassy mosaic, use B75 SPECIAL mixed with LATEX EL300 or B75 MONOCOLOR. Joint with ADEPOXY MATERIA or FUGAMAGICA ZEROSEI MATERIA or FUGAMAGICA 3-20 BIO MATERIA TECH sealants, preferably mixing with latex IMPER 21. Expansion joints must be sealed with the suitable sealants ADESIL MATERIA and SILFLEX P.

Specifications

For waterproofing cementitious and concrete surfaces, with complicated geometry and subject to environmental chemical aggression, apply a single-component flexible cementitious grout, e.g. ADEPROOF MONO by ADESITAL S.p.A., in thickness of 2 mm every coat, maximum 2 coats (4 mm).

Technical data (at +23°C and 50% R.U.)

Appearance	powder
Colour	grey
Apparent volume mass	1,10 g/cm ³
Solid residue	100%
Storage	12 months in the original packaging and in a dry place
Safety	Please check the information on the package and on the safety sheet
Inflammability	no
Customs item	39161000

Application data

Colour of the dried product	light grey
Mixing ratio	5.4-5.8 of water every 20 kg bag
Consistency	plastic - easy to apply
Mix volume mass	1.45 g/cm ³
Application temperature	from +5°C to +35°C
Pot life	60 minutes
Max. coat thickness	2 mm
Max. total thickness	4 mm
Waiting time between coats	6 hours
Waiting time for the installation of ceramic tiles	2 days

Final performance

Initial adhesion [EN 14891-A.6.2]	≥ 1.3 N/mm ²
Adhesion after immersion in water [EN 14891-A.6.3]	≥ 0.6 N/mm ²
Adhesion after heating [EN 14891-A.6.5]	≥ 1.5 N/mm ²
Adhesion after frost-thaw cycles [EN 14891-A.6.6]	≥ 0.7 N/mm ²
Adhesion after immersion in basic water [EN 14891-A.6.9]	≥ 0.7 N/mm ²
Pressure waterproofing [EN 14891-A.7] 1.5 bar for 7 days, positive thrust	no penetration
Crack-bridging ability at -5°C [EN 14891-A.8.2]	> 0.75 mm
Flexibility after 28 days [DIN 53504]	≥30%
Reaction to fire (EN 13501-1)	B-s1,d0

Coverage	1.1 kg/m ² every mm of thickness
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ADEPROOF MONO packages	20 kg bag
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Warning: The above indications and rules correspond to our best experience, but shall be deemed as merely indicative and shall be confirmed by exhaustive practical tests; thus, before using the product, the operator shall determine if it is suitable for its intended use and shall undertake every responsibility resulting from its use. PROFESSIONAL USE ONLY.