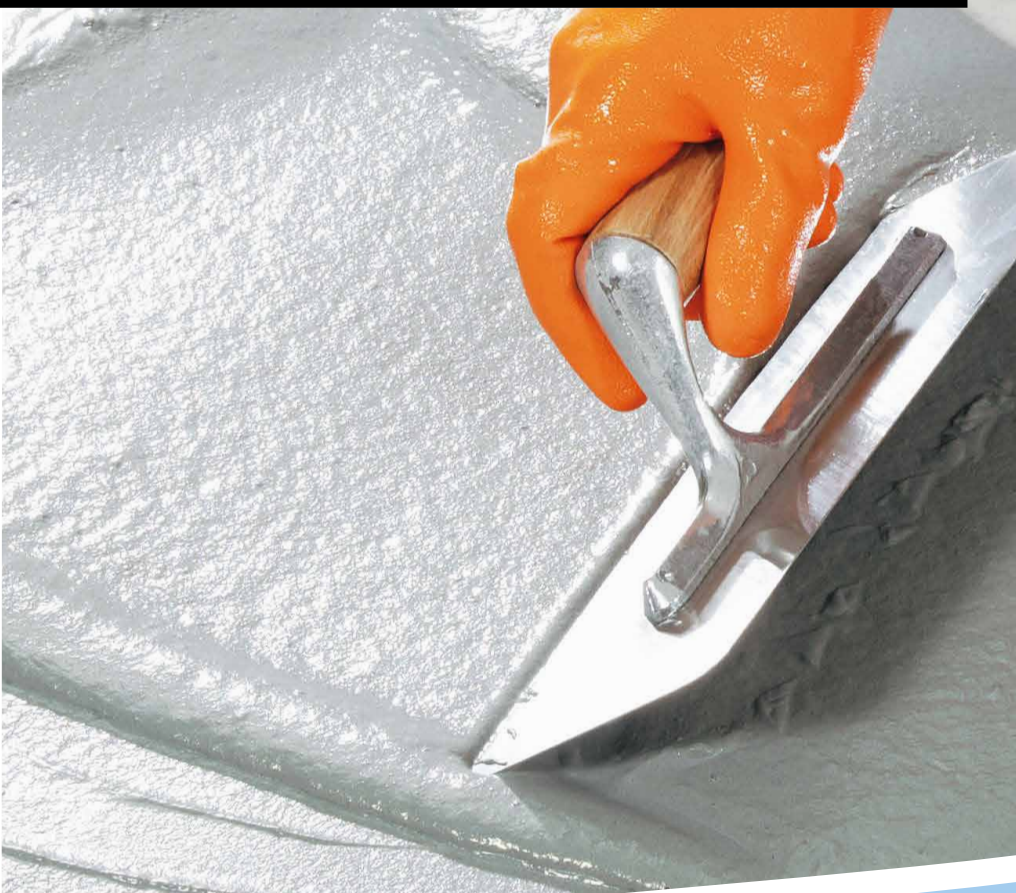


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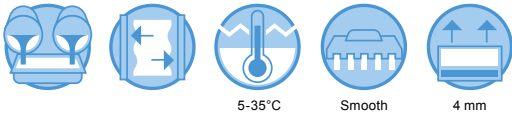
RASOLASTIK-PLUS

Waterproofing, bicomponent, elastic, cement-based leveling mortar for swimming pools, terraces and balconies prior to fixing ceramic tiles.

waterproofing products

TECHNOKOLLA





5-35°C

Smooth

4 mm

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APPEARANCE

Comp. A: grey powder

Comp. B: white liquid

STORAGE

12 months in dry place, protected from frost

FIELDS OF USE

- Waterproofing walls and floors in: swimming pools, bathrooms, showers or very damp places prior to laying ceramic tiles.
- Waterproofing terraces, balconies, prior to laying ceramic tiles conforming to the performance requirements of class CMO2P of standard EN 14891:2012. Especially suitable for raised floors.
- Restoring the waterproofing properties of old terraces without demolishing the existing floor surface.
- Protective, flexible, carbonatation-inhibiting coating for concrete surfaces.
- Protects against the effects of de-icing salts, freezing-thawing cycles and carbon dioxide; improves durability.
- Waterproofing and protection of waterworks such as basins, tanks, swimming pools, concrete pipes, reservoirs and canals.
- Leveling cracked plaster.
- As bonding primer on old ceramic floors before skimming with self-levelling products.



SUBSTRATES

Cement-based plaster, cement-lime mortar, cement, concrete, ceramic, plasterboard, and marine wood can be treated with RASOLASTIK-PLUS.

NATURE OF THE PRODUCT

Comp. A consists of high-strength cements, selected silicon/quartz mineral charges, synthetic fibers and specific additives.

Comp. B contains organic copolymers in watery dispersion and specific additives. Ask the technical office for the safety brief containing further details.

CONSUMPTION

approx. 1.8 kg/m² per mm of thickness

OPERATIONS PRIOR TO APPLICATION

It is very important to make sure that there is no rising damp in the walls or screeds. In this case, RASOLASTIK-PLUS can only be applied after the cause has been eliminated and when the saline bloom has been removed.



RECOMMENDED ACCESSORIES



437299

Strip RL 80 S



437337

Strip RL 120

SUBSTRATE	MINIMUM TIME INTERVAL PRIOR TO APPLICATION	MAX RESIDUE HUMIDITY %
KRONOS screeds	5 days	6
TIMER-2 screeds	24 h	6
Cement-based screeds	28 days	6
Cement-based plaster	3 weeks	5

If substrate is new, it is very important to know exactly how it has been weathered and the degree of humidity. The more frequent cases with their relative ageing periods are listed in the table below. When the number of days and the humidity rate are both indicated, remember that both conditions must be complied with. If substrate has been weathered but subjected to heavy rainfall, wait until its humidity rate has returned within the value given in the table.

HOW TO PREPARE THE SUBSTRATES

First apply adhesive sealing strip RL 80 S in all "wall/floor" and "wall/wall" corners. Sealing strip must also be applied on a level with all technical service points, such as: drains, delivery ports, etc. Expansion joints must be treated with sealing strip RL 120.

HOW TO PREPARE THE MIXTURE

Blend powder (25 kg bag) with latex (8l can) until mixture is homogeneous and lump-free. Use blender at low speed (approx. 500 rpm). The mixture obtained can be used immediately. It is inadvisable to prepare the product by hand unless in small quantities at a time (4-5 kg).

APPLICATION

Apply the product with a smooth steel trowel. Press mortar well down onto substrate to ensure a perfect bond. If the temperature is higher than 15°C or the substrate is very absorbent, wet this latter with water to prevent the mortar from drying out and failing to adhere perfectly. Apply two coats of the product, each 1.5-2 mm thick, the second coat about 3-5 h after the first and never before the first coat has set. Once it has set, the product can be left visible and subjected to moderate pedestrian traffic.

WARNINGS AND RECOMMENDATIONS

- cracked or split cement-based screeds must be pretreated with REPAIR
- protect the leveled surface from the rain for at least 24 hours
- when ceramic tiles must be laid on RASOLASTIK-PLUS in swimming pools, we recommend use of the following adhesives to obtain optimum performance: TECHNORAP-2 or TECHNODUE; use TECHNOMOS blended with TC-LAX diluted in 1:1 ratio with water for glass mosaic
- STRIP RL 80 S is not recommended for use in the pool

Do not apply straight onto:

- bitumen or bituminous sheathing

Do not use:

- on substrates subject to rising damp
- in layers more than 4 mm thick
- to hold counterthrusting water (see TECHTONIKO)
- do not add anything to the product that is not specified in this data sheet

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TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Weight density	1.8 kg/liter		
Particle size	Dmax: 0.5 mm		
Mixing ratio	25 kg powder with 8 l. of latex		
Pot-Life at 20°C	approx. 60 min		
Water pressure resistance - Negative	2.5 bar		UNI 8298/8
Permeability to CO ₂	S _D > 50 m	S _D ≥ 50 m	EN 1062-6
Water vapour permeability	S _D : ~1.00 m (Classe I)	Class I – S _D < 5 m (permeable) Class II – 5m ≥ S _D ≥ 50 m Class III – S _D < 5 m (not perm.)	EN ISO 7783
Liquid water permeability and capillary absorption	~0.005 Kg·m ⁻² ·h ^{-0.5}	w < 0,1 Kg·m ⁻² ·h ^{-0.5}	EN 1062-3
Thermal compatibility (immersion in deicing salts)	~1.30 N/mm ²	≥ 0.8 N/mm ²	EN13687-1
Bond strength	~1.5 N/mm ²	≥ 0.8 N/mm ²	EN 1542
Crack bridging ability	~1.25 mm (without net)	Class A3 (+23°C)	EN 1062-7
Crack bridging ability	~0.90 mm (without net)	Class A3 (-10°C)	EN 1062-7
Dangerous substances (Hexavalent chromium)	< 0,0002%	< 0,0002%	EN 196-10
Reaction to fire	A2	Euroclass	EN 13501-1

TECHNICAL SPECIFICATIONS	TEST METHOD	RESULTS	REQUIREMENT	STANDARD
Waterproof (1.5 bar for 7 days)	A.7	No passage of water	No passage of water	EN 14891:2012
Initial tensile strength	A.6.2	~1.0 MPa	≥ 0.5 MPa	EN 14891:2012
Tensile strength after immersion in water	A.6.3	~0.7 MPa	≥ 0.5 MPa	EN 14891:2012
Tensile strength after thermal ageing	A.6.5	~1.8 MPa	≥ 0.5 MPa	EN 14891:2012
Tensile strength after freezing-thawing cycles	A.6.6	~0.6 MPa	> 0.5 MPa	EN 14891:2012
Tensile strength after immersion in limewater	A.6.9	~0.7 MPa	≥ 0.5 MPa	EN 14891:2012
Tensile strength after immersion in chlorinated water	A.6.7	~0.9 MPa	≥ 0.5 MPa	EN 14891:2012
Crack resistance in standard conditions (+23°C)	A.8.2	≥ 0.75 mm	≥ 0.75 mm	EN 14891:2012
Crack resistance at low temperatures (-20°C)	A.8.3	≥ 0.75 mm	≥ 0.75 mm	EN 14891:2012

Values obtained after 5.4 kg/m² total consumption in two coats.

APPROVALS / CERTIFICATIONS

Cement-based liquid product (CM) for waterproofing treatments under tiles (glued with class C2 adhesive, according to EN 12004) with crack bridging ability at low temperatures (-20°C) and suitable for contact with chlorinated water, in compliance with the requirements established by EN 14891:2012 in class CMO2P. Conforms to annex ZA Table ZA.1 DoP No. 02 07 01 01 002 0 000106 1026. 14891: the notified test laboratory Modena Centro Prove S.r.l., Lab. No. 01599 performed the initial type tests on samples taken by the manufacturer, in accordance with AVCP System Type 3 testing and issued test report No. 20153633.

SPECIFICATION

Substrates on which ceramic tiles must be laid must be waterproofed with cement-based mortar such as TECHNOKOLLA'S RASOLASTIK-PLUS, to be blended with water alone.

Technokolla reminds you to examine the “notes” document that completes the information in this data sheet. The document can be downloaded in the pdf format from the website www.technokolla.com.

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