

# rasolastik

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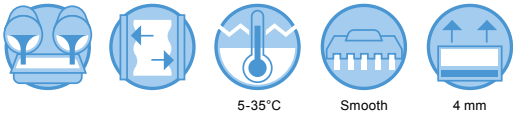
## RASOLASTIK

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

## waterproofing products

**TECHNOKOLLA**





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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.
- Leveling cracked plaster.
- As bonding primer on old ceramic floors before skimming with self-levelling products.



MFPA:

Cert. No. P-SAC 02/5.1/11-104

## SUBSTRATES

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

## 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/m<sup>2</sup> 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 can only be applied after the cause has been eliminated and when the saline bloom has been removed.



## RECOMMENDED ACCESSORIES



**437145**  
Blender 1200



**437187**  
28x12 smooth stainless steel trowel



**437094**  
RASOLASTIK NET



**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 (8.35 l 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. Bury RASOLASTIK-NET in the first coat, overlapping the sheets by at least 5 cm. Once it has set, the product can be left visible and subjected to moderate pedestrian traffic.

Use PRIMERGUM if the product must be applied on top of bituminous sheathing. This can only be done on small areas. Proceed by briefly stirring until the product becomes perfectly homogeneous, then apply a coat by brush, roller or airless method, 24 h prior to applying RASOLASTIK. 250-350 g/m<sup>2</sup> of primer is required.

### 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 in swimming pools, we recommend use of the following adhesives to obtain optimum performance: TECHNORAP-2 or TECHNOLA mixed with TC-LAX; 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 (apply PRIMERGUM at least 12 h prior to application)

#### 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	COMPONENT A	COMPONENT B
Appearance	grey powder	white liquid
Apparent specific mass	approx. 1400 kg/m <sup>3</sup>	approx. 1050 kg/m <sup>3</sup>
Mixing ratio	3	1
Storage	12 months in unopened pack in dry place	12 months in the unopened pack, protected against frost

FINAL PERFORMANCE	VALUE	REQUIREMENT	STANDARD
Initial bond	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in water	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Bond after the action of heat	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in limewater	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Bond after freezing/thawing cycles	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in chlorinated water	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	EN 14891
Crack bridging ability	≥ 0.75 mm	≥ 0.75 mm	EN 14891
Crack bridging ability at low temperatures (-20°C)	≥ 0.75 mm	≥ 0.75 mm	EN 14891
Impermeability with 1.5 bar water pressure for 7 days	impermeable		EN 14891

APPLICATION SPECIFICATIONS	VALUE
Application	smooth steel trowel
Pot life	*50 min.
Minimum thickness per coat	1.5 mm
Maximum thickness per coat	2 mm
Time interval between 1st and 2nd coat	*3-5 h.
Consumption	approx. 1.8 kg/m <sup>2</sup> per mm of thickness
Temperature during application	min.+5°C, max.+35°C
Can be tiled after	*2-4 days

\* these time intervals refer to a temperature of 23°C-50% R.H.. They become shorter at higher temperatures and longer at lower temperatures.

## 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 000081 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. 20142367.

## SPECIFICATION

Substrates to which ceramic tiles must be applied must be waterproofed with bicomponent, waterproofing, cement-based leveling mortar, such as TECHNOKOLLA's RASOLASTIK.

**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](http://www.technokolla.com).

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