

# rasolastik advance

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## RASOLASTIK ADVANCE

High flexible two-component cementitious waterproofing product, for application with brush, roller or spray, in swimming pools, terraces and balconies.

**waterproofing products**



A SIKA BRAND



5-35°C



Brush/  
Roller/  
Spray



3 mm

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## APPEARANCE

Comp. A: grey powder

Comp. B: white liquid

## STORAGE

12 months in dry place, protected from freezing temperatures

Component A: 12 months in unopened pack in dry place

Component B: 12 months in unopened pack, protected from freezing temperatures.

## FIELDS OF USE

- Waterproofing walls and floors in: swimming pools, bathrooms, showers or very damp places prior to laying ceramic tiles.
- Waterproofing of concrete prebuilt garages
- Waterproofing terraces, balconies, prior to laying ceramic tiles.
- Restoring the waterproofing properties of old terraces without demolishing the existing floor surface.

## SUBSTRATES

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

## NATURE OF THE PRODUCT

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

Comp. B contains organic copolymers in watery dispersion and specific additives.

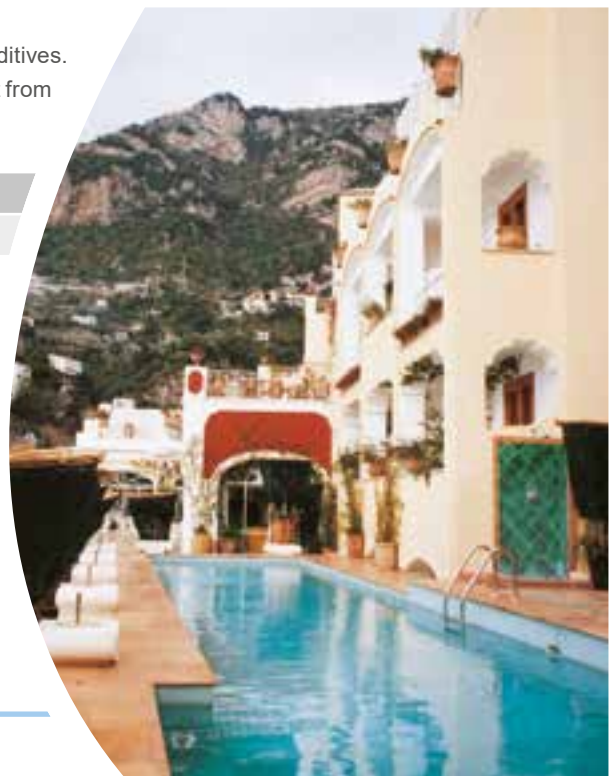
For further details, ask the technical office for the safety brief or download it from the web site [www.technokolla.com](http://www.technokolla.com).

## CONSUMPTION

approx. 1.6 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 humidity in the walls or screeds. In this case, RASOLASTIK ADVANCE can only be applied after the cause has been eliminated and the saline bloom removed from the surface.



## 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
Cement-based screeds	28 days	6
Cement-based plaster	3 weeks	5

If the 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 recommended weathering 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 the substrate has been weathered but subjected to heavy rainfall, wait until its humidity rate has returned to within the value given in the table.

### HOW TO PREPARE THE SUBSTRATES

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

Use strip RL 120 for expansion joints.

### HOW TO PREPARE THE MIXTURE

Blend powder (21 kg bag) with latex (7.45 l. can) until mixture is homogeneous and lump-free. To prevent lumps from forming, pour the powder into 3/4 of the liquid part and mix with blender at low rate. Once the mixture is perfectly smooth, slowly add the remaining liquid. The mixture obtained can be used immediately. It is inadvisable to blend the mixture by hand.

### APPLICATION OPERATIONS

Apply the product thickly with a fleece roller or brush to form the correct layer. Always remember that highly absorbent surfaces should be moistened with water to prevent the mortar from drying out and failing to bond properly, especially when the temperature exceeds 15°C. Apply two coats of the product, each 1.0-1.5 mm thick, the second coat about 3-5 h after the first and never before the first coat has set. Bury fiberglass net in the first coat and overlap the sheets by at least 5/10 cm.

### WARNINGS AND RECOMMENDATIONS

- cracked or split cement-based screeds must be pretreated
- protect the leveled surface from the rain for at least 24 hours
- when ceramic tiles must be laid on RASOLASTIK ADVANCE in swimming pools, we recommend use of the following adhesives to obtain optimum performance: TECHNORAP-2 or use TECHNOFLEX-2 for vitreous mosaic
- STRIP RL 80 S is not recommended for use in the pool

#### Do not apply directly onto:

- bitumen or bituminous sheathing

#### Do not apply:

- to substrates subject to rising damp
- in layers more than total 3 mm thick
- to hold counterthrusting water
- 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. 1350 kg/m <sup>3</sup>	approx. 1150 kg/m <sup>3</sup>
Mixing ratio	2.8	1
Storage	12 months in unopened pack in dry place	12 months in unopened pack protected against freezing temperatures

FINAL PERFORMANCE	VALUE	REQUIREMENT	STANDARD
Initial bond	~ 2.5 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in water	~ 0.9 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Bond after the action of heat	~ 1.6 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in limewater	~ 1.7 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Bond after freezing/thawing cycles	~ 1.4 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Bond after immersion in chlorinated water	~ 1.7 N/mm <sup>2</sup>	≥0.5 N/mm <sup>2</sup>	EN 14891
Crack bridging ability	~ 1.35 mm	≥0.75 mm	EN 14891
Crack bridging ability at low temperatures (-20°C)	~ 1.3 mm (no grid)	≥0.75 mm	EN 14891
Crack bridging ability at low temperatures (-20°C)	~ 2.3 mm (with grid)	≥0.75 mm	EN 14891
Impermeability with 1.5 bar water pressure for 7 days	Impermeable		EN 14891

APPLICATION SPECIFICATIONS	VALUE
Application	brush, roller and spray gun
Pot life	*50 min.
Minimum thickness per coat	1 mm
Maximum thickness per coat	1.5 mm
Time interval between 1st and 2nd coat	*3-5 h.
Consumption	approx. 1.6 kg/m <sup>2</sup> per mm of thickness
Temperature during application	min.+5°C, max.+35°C
Can be tiled after	*3-4 days

\* these time intervals refer to a temperature of 23°C - 50% R.H.

**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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