

# rasolastik

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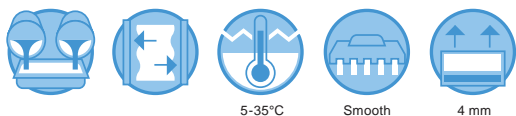
## RASOLASTIK

Two-pack flexible cement-based  
skimming plaster with waterproofing  
and carbonation inhibiting properties.

waterproofing

**TECHNOKOLLA®**





# rasolastik



## ASPECT

Comp. A: grey powder

Comp. B: white liquid

## STORAGE

12 months in a dry place, protected against freezing

## FIELDS OF USE

- Waterproofing the walls and floors of: swimming pools, bathrooms or places where there is a lot of moisture before the laying of ceramic walltiles.
- Waterproofing tanks or cisterns concrete used to hold drinking water.
- Waterproofing terraces, balconies, prior to fixing ceramic tiles.
- Particularly suitable for raised floors.
- Restoring the waterproofing properties to old terraces without demolishing the existing floor surface.
- Levelling cracked plaster or concrete.
- Protecting concrete from the effects of carbonation or aggression from saline atmospheres or ones containing sulphates.
- As bonding primer on old ceramic floors before skimming with self-levelling products.

## SUBSTRATES

Cement plaster, cement-lime mortar, cement, concrete, ceramic, plasterboard and nautical 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 copolymers of organic nature in watery dispersion and specific additives.

Ask our technical department for the safety brief for further information.

## AMOUNT REQUIRED

1.8 Kg/m<sup>2</sup> for every 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 can only be applied after the relative cause has been eliminated and when the saline bloom has been removed from the wall.

## waterproofing



**MFPA:**

Cert. n. P-SAC 02/2.2/06 295

**ARPA:**

Fitness for containing  
drinking water

Cert. N. 14293/02



## RECOMMENDED ACCESSORIES



**TKW 407**  
Blender 1200



**TKW 155**  
Trowel 28x12



**TKW528**  
RASOLASTIK NET



**TKW 518**  
Strip RL80



**TKW 520**  
Strip RL120

SURFACE	MINIMUM TIME TO WAIT BEFORE APPLICATION	MAX RESIDUAL HUMIDITY %
Kronos screeds	5 days	6
Screeds in TIMER-2	24 h	6
Cementitious screeds	28 days	6
Cement plaster	3 weeks	5
Concrete	3 months	5

If the surface 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 both the number of days and the humidity rate are indicated, remember that both conditions must be complied with. If the substrate has been weathered but has been subject to abundant rainfall, wait until its humidity rate has returned to within the value given in the table before applying RASOLASTIK.

### HOW TO PREPARE THE SUBSTRATES

The first thing to do is to apply adhesive strip RL 80 S in all the "wall/floor" and "wall/wall" corners. The strip should also be applied on a level with all the technical service points, such as: drains, lights, delivery ports, etc. Expansion joints should be treated with strip RL 120.

### HOW TO PREPARE THE MIXTURE

Mix the powder (25 kg bag) with the latex (8.35 l can) until a homogeneous, lump-free mixture is obtained. It is advisable to use a blender at low speed (approx. 500 rpm).

The mixture obtained can be used immediately. It is inadvisable to prepare the product by hand unless small quantities are required (4-5 kg).

### APPLICATION OPERATIONS

Apply the product with a smooth steel knife. Press the mortar well down on to the substrate to ensure a perfect bond. However, remember that if the temperature is higher than 15°C or if surface is very absorbent, this latter must be wetted with water to prevent the mortar from drying out and failing to adhere well. Apply two coats of the product, each 1.5-2 mm thick, the second coat about 3-5 h after the first, in any case not before the first coat has set. The product, once it has hardened, can be left uncovered and subject to light pedestrian traffic. PRIMERGUM must be used if the product must be applied on top of bituminous sheathing, something that can only be done on small areas. Proceed by briefly stirring until the product becomes perfectly homogeneous, then apply a coat with a 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 cementitious screeds must be pretreated with REPAIR
- protect the levelled surface from the rain for at least 24 hours
- thoroughly rinse out tanks or cisterns that must be used to hold drinking water before filling them
- wait at least 21 days after applying the last coat before filling tanks or cisterns
- In order to obtain the highest performances when ceramic tiles are applied on Rasolastik in swimming-pools, use: TECHNORAP-2 or TECHNOLA mixed with TC-LAX; when glass mosaic is applied on Rasolastik in swimming-pools, use TECHNOMOS mixed with TC-LAX diluted with water in a ratio of 50%

#### Do not apply straight on to:

- bitumen or bituminous sheathing (apply PRIMERGUM at least 2 h prior to application)

#### Do not apply:

- to 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 brief

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TECHNICAL SPECIFICATIONS	COMPONENT A	COMPONENT B
Aspect	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 a dry place, protected against freezing	12 months in a dry place, protected against freezing

FINAL PERFORMANCES	VALUE	STANDARD	NORM
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
Water pressure resistance no humidity passes at 1.5 bar for 7 days	waterproof		EN 14891
Fitness for containing drinking water	cert. Fitness		ARPA 14293/02
Permeability to vapour	"class I" passed test	< 5 S <sub>D</sub>	EN ISO 7783-1
Absorption by capillarity and permeability to H <sub>2</sub> O	< 0,1 kg*m <sup>-2</sup> *h <sup>-0.5</sup>	< 0,1 kg*m <sup>-2</sup> *h <sup>-0.5</sup>	EN 1062-3
Adhesion strength through direct traction	≥ 1,0 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 1542
Permeability to CO <sub>2</sub>	S <sub>D</sub> > 50	S <sub>D</sub> > 50	EN 1062-6
Fire reaction	C (s1;d0)	value declared by the producer	Euroclasse

APPLICATION SPECIFICATIONS	VALUE
Application	smooth stainless steel trowel
Pot life	*50 min.
Minimum thickness per coat	1,5 mm
Maximum thickness per coat	2 mm
Time to wait between 1st and 2nd	*3-5 h.
Amount required	about 1,8 Kg/m <sup>2</sup> for every mm of thickness
Temperature during application	min.+5°C, max.+35°C
Can be tiled after	*2-4 days
Minimum operating temperature	-20°C

\* these times refer to a temperature of 23°C-50% U.R.

## SPECIFICATION

Surfaces to which ceramic tiles must be applied must be waterproofed with a waterproofing, two-pack cement-based skim plaster 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.

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