

# SUPRALEIK



## USES

REPAIR AND SMOOTH OF DEGRADED CONCRETE SURFACES AND MASONRY.

## SUITABLE SUBSTRATES

- CEMENTITIOUS SCREEDS
- WATERPROOFING MEMBRANES
- CEMENT PLASTERS AND RENDERS
- CONCRETE MASONRY

## SURFACE PREPARATION

All surfaces must be flat, structurally sound, clean, free of dust and loose parts.

Cementitious screeds must have at least 28 days of curing and renders must cure one week per centimeter of thickness. Dry and porous surfaces should be dampened and excess water swept off. Installation may be made on a damp surface.

## LIMITATIONS

- Do not install tiles on green concrete
- Do not use on metal substrates, vinyl tiles, linoleum
- Not for direct use over hardwood or strip wood flooring, anhydrite and gypsum substrates

## MIXING

Pour in a container about 18-20% of clean water (calculated on the total dry powder weight) and slowly add, under mechanical stirring, a bag of SUPRALEIK. Mix thoroughly for a few minutes with a low-speed drill to avoid excessive air entrainment. Remove loose dust from the walls and bottom of the container. Add further water if necessary in order to obtain the desired consistency without exceeding the recommended quantity. Stir for a few minutes until a homogeneous

and lump-free mixture is obtained. We do not recommend preparing the mix manually. The mortar thus prepared remains workable for about 30 min. at 23°C.

### APPLICATION

Apply the product with a trowel, vertically or horizontally, in a thickness between about 3 and 40 mm. Finish the surface using a sponge float as soon as the mortar starts to set. Waiting times to perform this operation vary depending on the climatic conditions.

### TECHNICAL DATA

|  |                               |
|--|-------------------------------|
| <b>EN1504-3 classification</b>   | R3                            |
| <b>Consistency</b>   | fine powder                   |
| <b>Colour</b>  | grey                          |
| <b>Mixing water</b>  | 20-22%                        |
| <b>Pot-life</b>  | circa 30 min.                 |
| <b>Mix density</b>   | 1.60-1.80 kg/ℓ                |
| <b>PH of the mix</b>   | ≥ 12                          |
| <b>Ready for use</b>   | 7 days                        |
| <b>Compressive strength</b> after 28 days                                | ≥ 25 N/mm <sup>2</sup>        |
| <b>Chloride ions content</b>   | ≤ 0,05 N/mm <sup>2</sup>      |
| <b>Bond strength to concrete</b>   | ≥ 1,5 N/mm <sup>2</sup>       |
| <b>Compressive modulus of elasticity</b>                                 | ≥ 15.000 N/mm <sup>2</sup>    |
| <b>Thermal compatibility freeze-thaw cycles adhesion</b> after 50 cycles | ≥ 1,5 N/mm <sup>2</sup>       |
| <b>Thermal compatibility storm cycle adhesion</b> after 30 cycles        | ≥ 1,5 N/mm <sup>2</sup>       |
| <b>Thermal compatibility dry thermal cycle adhesion</b> after 30 cycles  | ≥ 1,5 N/mm <sup>2</sup>       |
| <b>Capillary absorption</b>  | ≤ 0,05 Kgm <sup>2</sup> h-0,5 |
| <b>Reaction to fire</b>  | Euroclass A1                  |

### CONSUMPTION

16-18 kg/m<sup>2</sup> per cm of thickness.

### CLEANING

Clean tools and containers with plenty of water before SUPRALEIK hardens.

### PACKAGING

SUPRALEIK is available in 20 kg ventile bags and in 4x5 kg boxes.

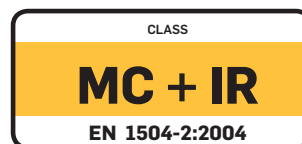
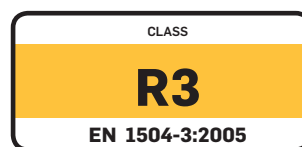
### STORAGE

SUPRALEIK can be stored 12 months as for 20 kg bags and 24 months as for 5 kg bags in a dry place in original and perfectly sealed packaging. The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH), item 47.

### WARNINGS

- Product for professional use only.
- Wet the mortar in the first 24 hours after application in order to avoid the rapid evaporation of water which could cause surface cracks.
- DO NOT apply at temperatures below + 5°C. For temperatures between + 5°C and + 10°C it is advisable to use mixing water at room temperature. In hot weather conditions it is advisable to use cold water.
- Protect from direct sunlight for 48 hours.
- Contains cement that produces an irritating alkaline reaction in contact with body sweat. Use protective gloves and goggles. It can cause eye damage. In case of contact with eyes or skin, wash immediately with plenty of water and consult a doctor.
- Consult the latest version of the safety data sheet before use.
- Use at temperatures between + 5°C and + 35°C.
- Protect from humidity, store in a dry place.
- The information and indications given in this Technical Data Sheet, although based on our best knowledge, are to be considered indicative.

LEIK SpA assumes no responsibility for the application of its products. Anyone intending to use LEIK products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.



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