

# CONCRETE

## RASANTE 300

CONCRETE RASANTE 300 IS A UNIVERSAL TECHNICAL MORTAR SUITABLE FOR ANTI-CARBONATION SMOOTHING FOR CONCRETE WITH A CIVIL FINISH, COMPOSED OF CEMENTS, SELECTED AGGREGATES AND SUITABLE ADDITIVES. THE PRODUCT COMPLIES WITH THE UNI EN 1504-2 STANDARD. WITH HEXAVALENT CHROMIUM REDUCER: PRODUCT FORMULATED AGAINST THE DEVELOPMENT OF HEXAVALENT CHROMIUM, AN IMPORTANT CARCINOGENIC AGENT FOR HUMANS (GROUP I ACCORDING TO IARC).



PAPER BAG

TYPE OF PRODUCT IS INDICATED ON THE SIDE OF THE BAG

### SCOPE OF USE

CONCRETE RASANTE 300 is ideal for smoothing degraded concrete or reinforced concrete surfaces with simultaneous protection from carbonation, especially when you want to obtain a particularly smooth finish. This product is ideal for the formation of a consolidation package with ANTI-CORROSIVE CONCRETE - CONCRETE TIXO 40 - CONCRETE TIXO 40 FAST - MICROCONCRETE NZR 400 - MICROCONCRETE NZR 500.

### FEATURES

- Civil fine finishing;
- High adhesion to the support and high mechanical resistance;
- Resistant to pollutants and atmospheric agents;
- Easily applicable;
- Low elastic modulus suitable for degraded facade elements;
- Excellent final result.

### WARNINGS

- Do not use for thicknesses less than 2 mm;
- Do not use on plaster supports;
- Do not use on painted substrates;
- Do not use on surfaces with poor mechanical resistance;
- Not suitable for restoring continuously immersed surfaces.



## TECHNICAL DATA

Appearance	powder
Color	grey
Particle size	< 0,4mm
Powder density mass	1200 Kg/m <sup>3</sup>
Fresh apparent density	1800 kg
Hardened density mass	1650 kg/m <sup>3</sup>
Dry volume mass	1500 kg/m <sup>3</sup>
Setting time	UNI EN 196-3 start 90 ± 30 min
Application time (pot life)	about 30 min
Application temperature	from +5° to 30° C
Mechanical resistance to compression	20 N/mm <sup>2</sup>
Mechanical resistance to bending	5 N/mm <sup>2</sup>
Tear resistance (adhesion to concrete)	> 1 N/mm <sup>2</sup>
Fire reaction	EUROCLASS A1 <sub>fl</sub>
Water absorption	< 0.1kg (m <sup>2</sup> . min0,5)
Mixing water	25% (5 liters per bag)
Estimated consumption per 1 mm thickness	1,4 Kg/m <sup>2</sup>
Storage	Intact packaging, in a dry and ventilated place
Duration	12 months Product compliant with Reg.1907/2006 (Reach) Annex XVII, point 4, the preparation contains a reducing additive with effectiveness for 12 months
Consumption	Approximately 1.5 Kg/m <sup>2</sup> per cm of thickness (normally around 3.0 Kg/m <sup>2</sup> )

## SUBSTRATE PREPARATION

The surfaces to be treated must be hard, cohesive, clean of dust or grease and of any loose or loose parts. Wet the surfaces to be restored thoroughly.

## PRODUCT PREPARATION

Check that there are no lumps in the material. Mix CONCRETE RASANTE 300 with a drill at low speed with only 20/23% drinking water (approximately 4.4 liters bag), until a homogeneous mixture is obtained. Do not add lime, cement or water to the product in quantities exceeding the prescribed quantity.

## INSTALLATION

Do not apply on frozen surfaces, in the process of thawing, or with a risk of frost in the following 24 hours. Do not apply in full sun. Apply CONCRETE RASANTE 300 consecutively in one or more layers for a maximum thickness per coat of up to 1 mm for a maximum total thickness of 3 mm. The product implemented must in any case be protected from rain, strong sun and strong ventilation.

## SAFETY

*Before opening the packaging it is absolutely mandatory to use protective glasses, gloves and a dust mask.  
Contains gray Portland cement.  
H318 - Causes serious eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H335 - May irritate the respiratory tract P102 - Keep out of reach of children.  
P280 - Wear protective gloves/clothing to protect your eyes/face.  
P305 - P351 - P310 - IN CASE OF CONTACT WITH THE EYES: Rinse thoroughly. For several minutes and call a doctor or poison control center immediately.  
P302 - P352 - P333 - P313 - IF ON CONTACT WITH SKIN: Wash thoroughly with soap and water; In case of skin irritation or rash: consult a doctor.*

*P262 - P304 - P340 - Avoid breathing dust / fumes / gases / mist / vapors / aerosols. IF INHALED: transport the injured person to fresh air and keep him at rest in a position that is comfortable for breathing.  
P501 - Dispose of the product / container in a hazardous waste disposal center.  
The data and information contained in this sheet are the result of the knowledge available at the date of publication. Esincaice srl assumes no responsibility for damage to people or things that may arise from use of the product other than that for which it was intended. The sheet does not replace but integrates texts or rules that regulate the activity of use. The user has full responsibility for the precautions that are necessary for the use he will make of the preparation. For anything not listed, please refer to the product safety data sheet.*