CONCRETE
RASANTE UNICO

PAPER BAG

PRODUCT TYPE IS INDICATED ON BAG SIDE

CONCRETE RASANTE UNICO IS A UNIVERSAL TECHNICAL MORTAR FOR FACADE RESTORATION COMPOSED OF CEMENTS, SELECTED AGGREGATES AND SUITABLE ADDITIVES. THE PRODUCT COMPLIES WITH THE UNI EN 1504-3 STANDARD. WITH HEXAVALENT CHROME REDUCER: PRODUCT FORMULATED AGAINST THE DEVELOPMENT OF HEXAVALENT CHROMIUM IMPORTANT CARCINOGENIC AGENT FOR HUMANS (GROUP I ACCORDING TO IARC).

USES

CONCRETE RASANTE UNICO is ideal for restoring facade elements such as: cornices, balconies, pediments, underbalconies, reconstructing deteriorated parts of facade elements, restoring weathered cement mortars and consistent masonry both externally and internally. Can be used to repair deteriorated parts of cement mortars and masonry of good consistency; to restore degraded concrete or reinforced concrete beams or pillars.

ADVANTAGES

- Fine civil finish
- High adhesion to the substrate and high mechanical strength
- Resistant to pollutants and weathering
- Easily applied
- Low elastic modulus suitable for degraded facade elements
- Excellent final result

WARNINGS

- Do not use for thicknesses less than 3 mm
- Do not use on plaster substrates
- Do not use on painted substrates
- Do not use on surfaces with poor mechanical strength
- Not suitable for skimming large surfaces
- Not suitable for restoration of surfaces under continuous immersion

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TECHNICAL DATA

Appearance	powder
Color	gray
Maximum product particle size UNI EN 1015-1	< 1.2 mm
Fresh apparent bulk density UNI EN 1015-6	1625 kg
Setting time UNI EN 196-3	start 120 ± 30 minutes - end 240 ± 30 minutes
Application time (pot life)	± 2 hours
Application temperature	+ 5° to + 30°C
Compressive mechanical strength	28 days 25.0 N/mm²
Mechanical resistance to bending	28 days 5.0 N/mm²
Tear resistance (adhesion on concrete)	> 1.5 N/mm²
Elastic modulus	> 11,000 N/mm²
Reaction to fire UNI EN ISO 1182-1716	Euroclass A1
Mixing water	16/17 % approx. 3.2 liters bag
Supply	20 kg sack - 64 - sack platform
Storage	If kept in its original packaging and properly stored in a dry, sheltered place, the product maintains its characteristics for one year. This product complies with the prescriptions of Reg. (EC) N. 1907/2006 (REACH) - Annex XVII, article 4, the aggregate contains a reducing additive with effectiveness for 12 months.
Consumption	± 14 kg/m² per 1 cm thickness

SUBSTRATE PREPARATION

Surfaces to be treated should be hard, cohesive, clean of dust or grease and of any loose or detaching parts. Completely free oxidized reinforcement by removing rust with wire brush or sandblasting. Eurocode 2 establishes the thickness of reinforcement coverings in reinforced concrete and prestressed concrete in relation to the exposure classes defined by UNI EN 206. It is therefore advisable to check together with the Construction Management or by contacting our technical office the thickness of the iron covers; in any case, do not leave the reinforcing bar halfway visible but free it completely from the concrete. Thoroughly wet the surfaces to be restored.
Use CONCRETE ANTICORROSIVO to treat the reinforcing bars and, once it has set, apply a second coat (reinforcing bars and adjacent concrete) over the entire surface to be restored, thus creating a bonding coat for the next layer of reinforcing mortar, which must be applied within the next hour.

MIX PREPARATION

Check the material for lumps. Mix CONCRETE RASANTE UNICO with a drill at low speed with only 16/17% potable water (about 3.2 liters bag) until a homogeneous mixture is achieved. Do not add more lime, cement or water to the product than prescribed.

APPLICATION

Do not apply to substrates that are frozen, thawing, or at risk of freezing in the next 24 hours. Do not apply in full sun. Apply CONCRETE RASANTE UNICO consecutively in one or more coats for maximum thickness up to 5 cm for wall application and up to 3 cm for ceiling application. Greater thicknesses can be achieved by applying a second layer of CONCRETE RASANTE UNICO as soon as the previous one has set. However, the product put in place must be protected from rain, beating sun and strong ventilation.