

MICRO CONCRETE

NZR 400 SUPERFLUIDO

MICROCONCRETE NZR 400 SUPERFLUIDO IS A POURABLE TECHNICAL MORTAR WITH FINE GRAIN SIZE, POLYMER MODIFIED WITH HIGH SULFATE RESISTANCE, HIGH ADHESION, HIGH MECHANICAL STRENGTH IDEAL FOR CONCRETE RECONSTRUCTION COMPOSED OF CEMENTS, SELECTED AGGREGATES AND SUITABLE ADMIXTURES. WITH HEXAVALENT CHROME REDUCER: PRODUCT FORMULATED AGAINST THE DEVELOPMENT OF HEXAVALENT CHROMIUM IMPORTANT CARCINOGENIC AGENT FOR HUMANS (GROUP I ACCORDING TO IARC). UNI EN 1504-3 COMPLIANT.



PAPER BAG

PRODUCT TYPE IS
INDICATED ON BAG SIDE

USES

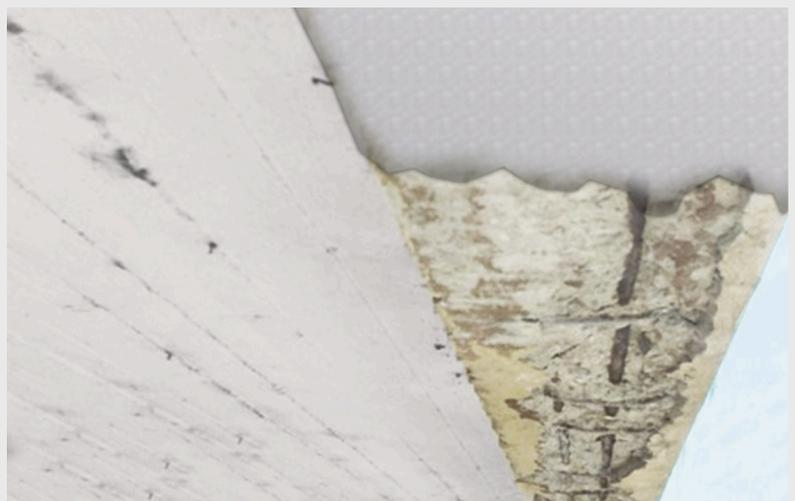
MICROCONCRETE 400 SUPERFLUID is ideal for restoring and reconstructing missing parts on concrete structures, pillars or curbs, floors, steps, pediments, etc. where direct pouring is possible. For pouring under sagging industrial floors.

ADVANTAGES

- Single-component that can be used for thin thicknesses
- Anti-shrinkage and fibered
- High adhesion to the substrate and high mechanical strength
- Resistant to pollutants and weathering
- Easily applicable
- Highly pourable

WARNINGS

- Do not use on plaster substrates
- Do not use on painted substrates
- Do not use on surfaces with poor mechanical strength



TECHNICAL DATA

Appearance	powder
Color	gray
Particle size UNI EN 1015-1	< 0.250 mm
Fresh apparent bulk density UNI EN 1015-6 2000	± 50 kg
Application time (pot life)	± 30 minutes
Application temperature	+ 5° to + 30°
Mechanical compressive strength	C7 days: 35.0 N/mm ² - 15 days: 40.0 N/mm ² - 28 days: 45.0 N/mm ²
Mechanical resistance flexural	7 days: 6.0 N/mm ² - 15 days: 7.0 N/mm ² - 28 days: 8.0 N/mm ²
Reaction to fire UNI EN ISO 1182-1716	Euroclass A
Tear resistance (adhesion on concrete)	> 2.5 N/mm ²
Elastic modulus	> 26,000 N/mm ²
Exposure class	XC4
Slump	S5
Mixing water	14% - approx. 3.5 liters sack
Supply	Silos - 25 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	± 18 kg/m ² 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 MICROCONCRETE 400 SUPERFLUIDO with a drill at low speed with only 14% potable water (about 3.5 liters bag) until a homogeneous mixture is achieved. For large quantities, the product can be mixed in a concrete mixer, taking care to gradually add material and water and mixing the product for at least 5 minutes once the last portion of water has been added. The product can be placed by injection pump. 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 MICROCONCRETE 400 SUPERFLUIDO consecutively in a single coat. Take care of the curing of the applied product, in case of visual outdoor exposure, moisten for the first few days, especially in hot and windy climates even in the next 48 hours after application. The applied product should be protected from rain, beating sun and strong ventilation.