

CONCRETE TIXO 40

CONCRETE TIXO 40 IS A NORMAL-SETTING THIXOTROPIC FIBRE-REINFORCED ANTI-SHRINKAGE MORTAR FOR THE STRUCTURAL REPAIR OF CONCRETE. CONCRETE TIXO 40 IS COMPOSED OF CEMENTS, SELECTED AGGREGATES AND SUITABLE ADDITIVES. THE PRODUCT COMPLIES WITH THE UNI EN 1504-3 STANDARD. WITH HEXAVALENT CHROMIUM REDUCER: PRODUCT FORMULATED AGAINST HEXAVALENT CHROMIUM, AN IMPORTANT CARCINOGENIC AGENT FOR HUMANS (GROUP I ACCORDING TO IARC).

EN-1504-3 R4

WHERE TO USE

CONCRETE TIXO 40 is ideal for repairing and reconstructing missing parts on concrete structures, pillars or kerbs, floors, steps, pediments, etc.

TECHNICAL CHARACTERISTICS

- Single-component can also be used for high thicknesses
- Anti-shrinkage and fibre-reinforced
- High adhesion to substrate and high mechanical resistance
- Resistant to pollutants and weathering
- Easily applied

RECOMMENDATIONS

- Do not use for thicknesses less than 1 cm
- Do not use on plaster substrates
- Do not use on painted substrates
- Do not use on surfaces with poor mechanical resistance



PAPER BAG

TYPE OF PRODUCT IS INDICATED ON THE SIDE OF THE BAG



TECHNICAL DATA

Consistency	powder
Colour	grey
Maximum size of aggregate (mm)	<1,2
Powder density mass (kg/m ³)	1400
Density of wet mortar (kg/m ³)	2200
Hardened density mass (kg/m ³)	2100
Workability time of wet mortar (pot life)	approx. 60 mins
Application temperature	+5° to 30 °C
Mechanical resistance to compression	7gg 45,0 N/mm ² - 15gg 50,0 N/mm ² - 28gg 55,0 N/mm ²
Mechanical resistance to bending	7gg 8,0 N/mm ² - 15gg 9,0 N/mm ² - 28gg 10,0 N/mm ²
Tear resistance (adhesion to concrete)	> 1,5 N/mm ²
Fire reaction UNI EN ISO 1182-1716	EUROCLASS A1 _f
Elastic Form	> 24000 N/mm ²
Water absorption	< 0.2 kg (m ² . Min 0,5)
Mixing water	Approx. 18,5% (4,4 liters per bag)
Packaging	25 kg /bag - 64 pieces/pallet
Duration	12 months in a dry, covered area in its original, unopened packaging. 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 (kg/m ²) / 1 cm thickness	approx. 18

SUBSTRATE PREPARATION

The surfaces to be treated must be hard, cohesive, clean of dust or grease and of any loose or detaching parts. Completely remove oxidised reinforcement by removing rust with a wire brush or by sandblasting. Wet the surfaces to be restored thoroughly.

Use CONCRETE ANTICORROSIVO to treat the reinforcement rods and, once it has set, apply a second coat (reinforcement rods and adjacent concrete) over the entire surface to be restored, thus creating a bonding coat for the next layer of repair mortar, which must be applied within the following hour.

PREPARATION OF THE PRODUCT

Check the material for lumps. Mix CONCRETE TIXO 40 with a drill at low speed, adding 16% clean water (approx. 4 litres bag), until a homogeneous mixture is obtained. Do not add more lime, cement or water to the product than prescribed.

APPLICATION OF THE PRODUCT

Do not apply on frozen substrates, thawing, or with risk of frost in the next 24 hours. Do not apply in direct sunlight. Apply CONCRETE TIXO 40 consecutively in one or more layers of a maximum thickness of 5 cm per layer until the desired thickness is reached (maximum 10 cm). Adjust with trowel or trowel while setting. Take care of the curing of the applied product, moistening for the first day if necessary. Do not add water and do not stir the mix while it is setting. CONCRETE TIXO 40 can remain visible or directly receive the anti-carbonating skim coat CONCRETE RASANTE 1200 or CONCRETE RASANTE 300.

SAFETY INSTRUCTIONS

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.