

# CONCRETE TIXO 40 FAST

CONCRETE TIXO 40 FAST IS A NORMAL-SETTING THIXOTROPIC FIBRE-REINFORCED ANTI-SHRINKAGE MORTAR FOR THE STRUCTURAL REPAIR OF CONCRETE. CONCRETE TIXO 40 FAST 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

## USES

CONCRETE TIXO 40 FAST is ideal for repairing and reconstructing missing parts on concrete structures, pillars or kerbs, floors, steps, pediments, etc. in the winter period or with a need to dry quickly.

## ADVANTAGES

- 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

## WARNINGS

- 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

PRODUCT TYPE IS  
INDICATED ON BAG SIDE



## TECHNICAL DATA

Appearance	powder
Colour	grey
Particle size	< 1,2 mm
Powder density mass	1400 kg/m <sup>3</sup>
Density of wet mortar	2200 kg/m <sup>3</sup>
Hardened density mass	2100 kg/m <sup>3</sup>
Workability time of wet mortar (pot life)	± 60 mins
Application temperature	+ 5° to + 30°C
Mechanical resistance to compression	7gg 45,0 N/mm <sup>2</sup> - 15gg 50,0 N/mm <sup>2</sup> - 28gg 55,0 N/mm <sup>2</sup>
Mechanical resistance to bending	7gg 8,0 N/mm <sup>2</sup> - 15gg 9,0 N/mm <sup>2</sup> - 28gg 10,0 N/mm <sup>2</sup>
Tear resistance (adhesion to concrete)	> 1,5 N/mm <sup>2</sup>
Fire reaction UNI EN ISO 1182-1716	EUROCLASS A1
Elastic Form	> 24000 N/mm <sup>2</sup>
Water absorption	< 0.2 kg (m <sup>2</sup> . Min 0,5)
Mixing water	± 18,5% (4,4 liters per bag)
Supply	25 kg /sack - 64 pieces/pallet
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 <sup>2</sup> ) / 1 cm thickness

## 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.

## MIX PREPARATION

Check the material for lumps. Mix CONCRETE TIXO 40 FAST 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

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 FAST 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 FAST can remain visible or directly receive the anti-carbonating skim coat CONCRETE RASANTE 1200 or CONCRETE RASANTE 300.