

# MAPEDECK LITESCREEED TIXO

Lightweight flexible polyurethane for levelling off vertical surfaces



## WHERE TO USE

**Mapedeck Litescreed Tixo** is used to form flexible layers on vertical steel substrates to level them off.

## TECHNICAL CHARACTERISTICS

**Mapedeck Litescreed Tixo** is a two-component polyurethane resin-based formulate according to a formula developed in the MAPEI R&D laboratories.

## RECOMMENDATIONS

Do not dilute **Mapedeck Litescreed Tixo** with solvent or water.  
Do not apply on surfaces with oil stains.  
Do not expose the mixed product to sources of heat.

## APPLICATION PROCEDURE

### Preparation of the bonding surface

The bonding surface must be dry, and clean and have no traces of oil, grease or any other substance that could affect adhesion.  
Steel surfaces must be prepared to grade ST3 and treated with a suitable MAPEI S.p.A. adhesion promoter.

### Application

**Mapedeck Litescreed Tixo** is a two-component polyurethane product. The two components must be mixed together just before application. Mix component A with an electric mixer at low-speed (300-400 revs/min) and add the contents of component B while mixing.

Pour the mix into a different container and mix again for 2 minutes.

Keep the mixing attachment completely immersed in the product while mixing.

**Mapedeck Litescreed Tixo** may be used as is or mixed with **Quartz 0.25**.

Apply the mix within the specified open time using a straight edge and suitable spacers, depending on the thickness to be applied. Keep the surrounding temperature and the temperature of the product under control; temperatures above or below +20°C will reduce or increase its open time, respectively.

## CLEANING TOOLS

Clean tools used to prepare and apply **Mapedeck Litescreed Tixo** with thinners immediately after use. Once hardened, the product may only be removed using mechanical means.

## PACKAGING

12 kg cans (A+B).

## STORAGE

The product may be stored for up to 12 months if kept in its original packaging in a dry place at a temperature of +5°C to +35°C.

## CERTIFICATION

Mapedeck Litescreed Tixo is certified as a “**Primary decks covering**” according to IMO Res. 61 (67) FTPC Annex 1, Parts 2 and 6, for applications in a single layer up to 20 mm thick.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapedeck Litescreed Tixo component A is not considered dangerous according to current norms regarding the classification of mixtures.

Mapedeck Litescreed Tixo component B is irritant for the eyes, the skin or the respiratory tract. It may cause irreversible damage if used for lengthy periods and cause sensitization if it comes in contact with the skin of those sensitive to isocyanates. The product gives off harmful fumes under normal application conditions or at room temperature. The product may become hazardous and cause sensitisation if inhaled at temperatures above +60°C. In event of sickness, seek medical attention.

During use, wear protective clothes, gloves and goggles, protect the respiratory system with a safety mask, and use only in well-ventilated areas. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

For further and complete information about the safe use of the product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT ONLY FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	grey	brown
Consistency:	paste	liquid
Density (g/cm <sup>3</sup> ):	1.05	1.20
Viscosity at +23°C (mPa·s):	100,000	100
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	83.5 : 16.5	
Consistency of mix:	thixotropic paste	
Density of mix (g/cm <sup>3</sup> ):	1.10	
Workability time at +20°C:	30 mins.	
Application temperature:	from +5°C to +35°C (surrounding temperature, product and substrate)	
Hardening time at +23°C and 50% R.H. – dust dry: – complete hardening time:	2-4 h 7 days	
<i>The times above are for indication purposes only and are influenced by actual site conditions (e.g. temperature of the surroundings and substrate, relative humidity of the surrounding air, etc.)</i>		

FINAL PERFORMANCE	
Tensile strength after 7 days (DIN 53504) (N/mm <sup>2</sup> ):	3.10
Maximum elongation after 7 days (DIN 53504) (%):	65
Tear strength after 7 days (ISO 34-1) (N/mm):	13
CERTIFICATION	
IMO Res. 61 (67) FTPC Annex 1, Parts 2 and 6:	primary decks covering

## WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)**

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