



PRODUCT N<sup>o</sup>.: 3152

## TECMA PAINT<sup>®</sup> MRRE QUICK REPAIRING EPOXY MORTAR

### CHARACTERISTICS:

**TECMA PAINT MRRE** is a two component product which is based on epoxy resins and selected aggregates.

Is a liquid, **self-levelling** mortar, which is especially recommended for repairing and filling **horizontal hollows**.

**TECMA PAINT MRRE** is a mortar with the following properties:

- High mechanical resistances, especially to abrasion and impact.
- Hardly shrinks when hardening
- Hardens quickly even with low temperatures and high humidity
- Once hardened, it has no tack.
- Good adherence without primer on concrete, mortar, stone, brick, etc. When dealing with little porous materials, it's necessary to use a primer.
- It may be applied on slightly damp supports.
- Good behaviour at room temperature and with a great range of chemicals such as acids, diluted alkalis, salts, brines, oils, greases, fuels, detergents, etc.

### TECHNICAL DATA:

Type	Epoxy vinyl ester resin
Colour	Grey, Red, Green
Density (20°C)	1,62 g/cm <sup>3</sup>
Mixture life	5 minutes (20°C)
Mixture Ratio	Base: 100 parts (weight) Hardener: 5 parts (weight)
Water absorption	max. 0.5 % (weight)
Application temperature	-10 to +35 ° C

	Mechanical resistances	
	Flexocompression	Compression
1 hour	40 – 60 kg/cm <sup>2</sup>	180 – 200 kg/cm <sup>2</sup>
2 hours	70 – 80 kg/cm <sup>2</sup>	210 – 220 kg/cm <sup>2</sup>
4 hours	90 – 100 kg/cm <sup>2</sup>	320 – 350 kg/cm <sup>2</sup>
16 hours	130 – 140 kg/cm <sup>2</sup>	280 – 410 kg/cm <sup>2</sup>
3 days	150 – 170 kg/cm <sup>2</sup>	430 – 450 kg/cm <sup>2</sup>
7 days	170 – 200 kg/cm <sup>2</sup>	450 – 495 kg/cm <sup>2</sup>

Chemical resistances (after 7 days at 23 °C)		
Toluene	8 hours	OK
Methyl Ethyl Ketone	8 hours	OK
Ethyl alcohol	Permanent	OK
Engine oil	Permanent	OK
Hydraulic oil	Permanent	OK
No lead petrol	Permanent	OK
Diesel	Permanent	OK
Sulphuric ac. (20 %)	Permanent	OK
Phosphoric a. (20%)	Permanent	OK
Soda (50 %)	Permanent	OK

### APPLICATION FIELD:

**TECMA PAINT MRRE** is a mortar with high mechanical and chemical resistances, great abrasion resistance which develop in a very short times which makes it suitable for the following applications:

- Restoring and levelling in floors, hydraulic and sea tenders, etc.
- Repairing of hollows in mortars
- Filling of hollows
- Repairing of floors in refrigeration facilities without needing to switch them off.

### SURFACE CONDITIONING:

- **Porous supports:** Surfaces made of concrete, mortar, fibrecement, stone, brick, wood, etc., should be healthy and compact, clean, without dust, grease, oil, paint remains or loose particles.
- **Non porous supports:** In order to assure adherence on this type of materials it's necessary to use a primer. The application of the mortar should be done immediately after applying the primer.

### METHOD OF USE:

#### Mixing

Use a low revolution electrical mixer. Get the mortar base homogeneous before adding the pasty hardener. Afterwards, shake for 30 seconds before checking that the mixture is homogeneous. Once mixed, pour the product quickly.

#### Application

For applying we should use a trowel to work with the product and get the required finishing. In case of using a primer, do it while still damp.

#### Cleaning of tools

The cleaning of the tools should be done with **TECMASOL E** immediately after using.

### SPECIAL RECOMMENDATIONS:

Mixture life gets reduced as temperature or product amount increases. In case of applying great thickness (> 5 cm) it's recommended to apply two or more coats. The adherence between coats is good provided the time between them is not above 1 hour. In this case, apply a primer between coats. The time for applying a new coat will be 15 minutes after the lower one is touch dry. The material can be repainted once is touch dry.

### PRECAUTIONS:

- Apply with good air renovation
- Do not expose to flame or heat sources
- Avoid contact with skin and eyes

### PACKAGING:

In 5 kg metal sets.