



PRODUCT No. : 1.750

TECMA PAINT[®] - AD **EPOXY ADHESIVE**

DESCRIPTION :

Tyxothropic epoxy resin for joining different construction materials.

TECMA PAINT[®] AD is recommended for joining old and new concrete, old and new mortar, fixing of metal elements in concrete, and in general, as adhesive for fiber-cement, stone, marble and most of construction materials.

The product is supplied in two components, ready to be mixed the moment is going to be used.

FIELD OF APPLICATION :

- As adhesive resin between old and new concrete in raising small floor areas.
- As adhesive for repairing damaged areas in old concrete floors where new concrete is going to be applied.
- As adhesive for fixing bars or other steel elements which are going to be introduced in concrete or cement.
- As adhesive for joining different materials, for example, wood with concrete, steel with wood, etc.

SUPPORT CONDITIONING :

CEMENT OR CONCRETE SUPPORTS: The support should be dry and free from oil, grease, dust or any other pollutant. Loose grout should be removed by blasting or with metal brush, trowel, chisel or any other suitable tool.

Oil and grease stains must be completely removed. Sometimes it's necessary to pickax concrete or cement until reaching a healthy area.

STEEL ELEMENTS: Surfaces should be dry and free from grease, oil and other pollutants. Rust must be completely removed by abrasive blasting, brushing, sanding, etc. Steel surfaces must have surface roughness in order to get good resin fixing. It'll be necessary to blast or sand until getting a rough surface.

MIXTURE:

The product is packaged ready to be mixed in the quantities in the containers. For amounts different from those in the containers, mix:

- 2 parts (weight) of Base resin
- 1 part (weight) Hardener

After mixing, apply immediately. The mixture life depends on the temperature. As an idea we can indicate:



*	2 hours and 30 minutes	at	10° C
*	1 hour	at	20° C
*	20 minutes	at	30° C
*	10 minutes	at	40° C

Once applied the product, the hardening will take place in the following periods:

*	4 hours	at	10° C
*	2 hours	at	20° C
*	45 minutes	at	30° C
*	15 minutes	at	40° C

METHOD OF USE :

Due to its tyxothropic character, **TECMA PAINT[®] AD** is especially recommended for small areas. For raising on greater areas, we recommend our **TECMA PAINT[®] R** since its viscosity is lower and it's easier to apply in great surfaces.

In order to apply **TECMA PAINT[®] AD** follow the instructions hereunder:

- 1.- Shake the contents in both containers, Base and Hardener.
- 2.- Stir the contents in the Base container and add the whole contents in the Hardener container, keeping stirring until it's completely homogenous. Apply immediately after mixing.
- 3.- Apply the mixture using brush, trowel or roller.
- 4.- Before the product is hard place the fresh concrete or join the materials to be adhered.
- 5.- The thickness of **TECMA PAINT[®] AD** in the application must be about 1 mm.

MECHANICAL PROPERTIES :

TECMA PAINT[®] AD after curing completely has the following characteristics:

-	Compressive strength	:	800 kp./cm ²
-	Flexural strength	:	200 kp./cm ²
-	Elasticity modulus	:	170.000 kp/cm ²

When curing is not complete, these values can not be reached.

YIELD

The yield will depend on the state of the surface where it's applied. As an indication, the theoretical yield is 0,7 m²/kg. with 1 mm thickness on polished surfaces with no product losses.



SPECIAL RECOMMENDATIONS :

- Apply immediately after mixing Base and Hardener.
- Do not apply with temperatures below 10 °C since the curing wouldn't be complete.
- Below 5 °C, there's no hardening.
- Do not apply with relative humidity above 80%.
- The cleaning of tools must be made with **TECMA SOL E**.

STORAGE :

- The containers must be kept tightly closed in a warm and dry place.
- Do not store with temperatures below 15° C.
- If the product is stored under 15 °C and without moving it, there can be crystallisation processes. In this case, warm in a water bath while stirring.
- For very long storage periods, stir periodically the containers in order to avoid crystallisation processes.

PACKAGING :

It's supplied in two components, pre-dosed and ready to mix in 1,2 and 5 kg packs.

PRECAUTIONS :

- Wear gloves while applying.
- Apply with good ventilation.
- Avoid contact with eyes and skin.
- In case of contact with the skin, wash with plenty of soap and water. Should the eyes be affected, and seek medical advice if necessary.

ADVANTAGES

- Easy to use
- Great adherence power
- High mechanical resistance

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