



# MAXEPOX<sup>®</sup>

## TAR-F

### HIGH PERFORMANCE FLEXIBLE AND WATERPROOF EPOXY-TAR COATING

#### DESCRIPTION

**MAXEPOX<sup>®</sup> TAR-F** is a two-component, solvent-free, flexible and waterproof coating based on modified tar-epoxy, suitable for use on concrete and metal substrates.

#### APPLICATION FIELDS

- Waterproofing and chemical protection against aggressive water and harmful salts for concrete and metal surfaces in underground works, foundations, waste water plants, sewers, water pipes, etc.
- Waterproofing of concrete structures subject to movements such as bridge decks, reservoirs, etc.
- Chemical attack protective coating for concrete and metal substrates against fuel, petrol, grasses, diesel oil, lubricating oils, etc.

#### ADVANTAGES

- Great flexibility and mechanical properties, withstands thermal movements of the substrate.
- Very good capacity to bridge shrinkage cracks and hairline cracks.
- Excellent adhesion on concrete and metal surfaces.
- Very good chemical resistance to soil salts, oils, petrols, etc.
- Solvent-free, non-flammable.

#### APPLICATION INSTRUCTIONS

##### Surface preparation

The concrete surface must be sound and strong, completely clean, free of dust and oils, and with slight roughness. Surface moisture content should not exceed 4 %.

Metal surfaces must be cleaned by shot or sandblasting to eliminate superficial corrosion, and must be degreased. On porous substrates, a single coat of **MAXEPOX<sup>®</sup> TAR** (Technical Bulletin n°. 106) should be used as primer.

##### Mixing

**MAXEPOX<sup>®</sup> TAR-F** is supplied in pre-weighed sets. The hardener, component B, is poured into the resin, component A. In order to ensure the proper reaction of the two components make sure all of component B is added. The mixing can be done manually or better using a low speed drill, until achieving a homogeneous product in colour and appearance. Do not overmix and do not use high speed drills for mixing. Once mixed, it is recommended to pour all of the components into a clean container.

##### Application

Apply **MAXEPOX<sup>®</sup> TAR-F** using a brush, roller or air-less gun, in two successive coats with a minimum time lapse of 6 hours and maximum 24 hours.

##### Application temperature

The ideal working temperature is between 10 °C and 30 °C. Applications below 10 °C increase greatly the drying and curing time. Do not apply at temperature below 5 °C or if lower temperature is expected within 24 hours after application. Do not apply if rain is expected 24 hours after application. With temperatures above 30 °C, try to protect the application against direct sunlight.

##### Curing

Allow the coating a minimum curing time of 7 days at 20 °C and 50% R.H. before putting into service. Lower temperatures and/or higher R.H. increase curing time.

## **Cleaning**

The tools and equipments can be cleaned with **MAXEPOX<sup>®</sup>** **MAXSOLVENT** immediately after use. Once the product dries, it can only be removed by mechanical methods.

## **CONSUMPTION**

The estimative consumption of **MAXEPOX<sup>®</sup>** **TAR-F** is between 0,4 and 0,5 kg/m<sup>2</sup> per coat, for a total consumption between 0,8 and 1 kg/m<sup>2</sup> in two coats.

Factors like porosity, texture and substrate conditions can modify this consumption.

## **IMPORTANT INDICATIONS**

- Allow new concrete and mortar to cure 28 days before application.
- Surface moisture content must be below 4%.
- Do not exceed the thickness recommended per layer.
- Do not add solvent.
- For any other use not specified in this Technical Bulletin, consult our Technical Department.

## **PACKAGING**

**MAXEPOX<sup>®</sup>** **TAR-F** is supplied in pre-weighed sets of 25 kg.

## **STORAGE**

Eight months in its original unopened set, in a dry and covered place protected from direct sunlight and humidity, at temperatures above 5 °C and below 30 °C.

## **SAFETY AND HEALTH**

When mixing and applying, do not work without the protection of rubber gloves and safety goggles. In case of eye contact, rinse immediately with clean water but do not rub. In case of skin contact, wash with abundant water and soap. If irritation persists, seek medical assistance. If ingested, seek immediate medical assistance. Do not induce vomiting.

In case of spillage, retrieve using sawdust, sand or other absorbent material. Do not pour into sewers, rivers, canals and ground.

There is available Safety Data Sheet of **MAXEPOX<sup>®</sup>** **TAR-F** by request.

## TECHNICAL DATA

Characteristics liquid product	
Appearance and color A + B	Black liquid
Density (kg/ l)	1,15 ± 0,05
Solids content (%)	100
Pot life (min. at 20 °C)	30 - 60
Characteristics cured product	
Adhesion on concrete (MPa), ASTM D4541	3,5
Adhesion on metal (MPa), ASTM D4541	2,4
Elongation at break (%), ASTM D412	100
Tensile strength (MPa), ASTM D412	3,6
Curing time (days)	7
Flash point	Non-flammable
Consumption / Thickness	
Consumption per coat/ total (kg/m <sup>2</sup> )	0,4 – 0,5/ 0,8 - 1
Dry film thickness per coat/ total (mm)	0,35 - 0,45/ 0,7 – 0,9

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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