



MAXEPOX[®] TAR

EPOXY – TAR COATING FOR WATERPROOFING AND PROTECTION OF CONCRETE AND METAL SURFACES

DESCRIPTION

MAXEPOX TAR is a two-component modified tar epoxy based coating.

APPLICATION FIELDS

- Waterproofing of concrete on bridge decks, foundations, exterior application for water pipes.
- Chemical protection and waterproofing for concrete and metal substrates in wastewater treatment plants, cooling towers, underground jobs, etc.

ADVANTAGES

- Simple and easy application.
- Very good bonding to concrete and metal substrates.
- Good chemical resistance against soil salts, alkalis and acids diluted, waste water, seawater, etc.

APPLICATION INSTRUCTIONS

Preparation of the surface. The concrete surface must be sound and strong and be clean, free of dust, oils and with less than 4% humidity. The surface must be flat and with slight roughness. Metallic surfaces must be cleaned by sandblasting to eliminate superficial corrosion, and must be degreased.

Mixing of the product. MAXEPOX TAR is supplied in pre-weighed sets. The hardener, component B is poured into the resin, component A. To ensure the proper reaction of the two components, make sure all of component B is added. The mixture can be done manually or using a low speed drill until achieving a homogeneous product in colour and appearance. Avoid introducing too much air when mixing. Once mixed, it is recommended to pour all of the contents into a clean container.

Application. The substrate must be at a minimum temperature of +10°C and not above +30°C. Application of MAXEPOX TAR can be done using a brush, roller or air-less gun, in two successive coats with a minimum time lapse of 6 hours and maximum of 48 hours between coats. The pot life at 25°C is over 6 hours, increasing at lower temperatures and decreasing at higher temperatures.

Cleaning. Tool cleaning is done with MAXEPOX SOLVENT immediately after using.

CAUTIONS

When mixing and placing, do not work without the protection of rubber gloves and safety goggles. If the product comes in contact with the eyes, rinse immediately with abundant clean water without rubbing and seek medical assistance.

In case of contact with the skin, wash with abundant soap and water. If ingested, seek immediate medical assistance. Do not induce vomiting.

Flammable volatile solvents are components of MAXEPOX TAR, so the usual precautions for transport and manipulation for these products should be followed.

In closed areas with little ventilation, provide mechanical ventilation and use appropriate masks.

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

For further information, Safety Data Sheet of MAXEPOX TAR is available by request.

Disposal of the product and the empty containers must be made according to official regulations by the final user.

PACKAGING

Pre-weighed sets of 31 kg.

CONSUMPTION

Coverage is approximately 0.4 to 0.8 kg. / m² in one or two coats, depending on substrate conditions.

STORAGE

Eight months in its original unopened container, in a dry covered place at temperatures above 5°C and below 30°C.

TECHNICAL DATA

Appearance	Black liquid
Density (kg. / dm³)	1.5
Pot life at 25 °C (hours) tecam 100 gr.	> 6
Flash point (°C)	30
Combustion temperature (°C)	35
Time for curing start at 20°C (hours)	6
Time for curing end at 20°C (days)	7
Water absorption (%), ISO 62	0,72
Positive pressure waterproofing (MPa)	> 0,6
Chloride ion diffusion permeability (m²/s)	3,9 x 10 ⁻¹²
Tensile strength (Mpa), EN-ISO 527	5,31
Elongation at break (%), EN-ISO 527	4,5
Adhesion on dry concrete (Mpa), EN 24624	3,8
Adhesion on wet concrete (Mpa), EN 24624	2,4
Adhesion on steel (Mpa), EN 24624	3,2

CHEMICAL RESISTANCE

AFTER 8 WEEKS IN CONTACT, EN-ISO 175	RESULTS
Sodium carbonate 1% solution	Suitable for permanent contact
Hydrochloric acid 1% solution	Suitable for permanent contact
Bleach 1% solution	Suitable for permanent contact
Phenol al 1% solution	Suitable for permanent contact
Ammonium sulfate 5% solution	Suitable for permanent contact
Fuel oil	Suitable for spills
Lactic Acid	Suitable for spills

GUARANTEE

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