



Two-component coating for tanks intended for food contact

DESCRIPTION

Two-component epoxy-polyamine product, free from aromatic amines and phthalic anhydride derivatives, specially designed for the coating of tanks containing liquids, flours or food grains. Component A is a neutral colored liquid; the pigment is contained in component B. Chemical resistance of the film to wine, vinegar, beer, liquors, flours, dairy products, vegetables, meat, fish etc. Restricted to professional users. For interiors.

MAIN PROPERTIES

- Coating for tanks intended for food contact
- Waterproofing of the film



WALKABLE

TECHNICAL DATA

Volatile organic compounds (VOC)	Cat A/j (2004/42/CE); EU limit 500 g/l (2010). This product contains max 92,00 g/l of VOCs.
Film aspect EN 13300	Glossy (>60 gloss 60°)
Adhesion on concrete (EN 1542)	2.8 ± 0.3 MPa
Classification (UNI 8681 / UNI 8682)	Two-component thick formula with reactive chemical hardening epoxy (B.4.D.1.C.0.DA)
Specific weight	1.22 ± 0.07 Kg/L
Type of binder	Epoxy resin
Catalysis ratio (weight)	2:1
Drying time	6h 25°C to the touch; 7 days complete maturation
Pot life	19 min at 23°C
	100 ± 10 mg
Impact resistance	4 N*m (classe I)

CHARACTERISTICS

Coverage	0.35Kg/m ² (A+B) for 2 coats
Coverage per pack	6.2Kg compA +3.1 Kg compB (9.3Kg): 28 m ²
Colour range	White; Light Yellow; Oxide Red; Light Blue
Dilution	Ready to use

APPLICATION

Notes:

When the product is fully mature, it is advisable to rinse the internal surface with water to eliminate the dust deposited by electrostatic effect. In any case of application, before filling the tank, and after complete maturation of the product make an abundant and accurate rinse with hot water, using a pressure washer.

Suitable Substrates:

Lining of concrete or metal tanks of purification tanks or intended to contain drinking water or food products.

Ambient Conditions:

Application temperature: min 15°C max 35°C RH max 80%

Preparation of the Substrate:

Underground concrete tanks already waterproofed externally or above ground

The support must be carefully examined to make sure it is a suitable and structurally sound base. Carry out a preliminary surface treatment to remove dust, dirt, grease, oil, old adhesives or paints, efflorescences, rust, mould and other foreign materials. This treatment must be decided according to the conditions in which the surface is located and may be:

- hot water pressure washing;
- acid washing;
- sanding;
- diamond grinding;
- scarification;

Any depressions in the substrate must be compensated with products suitable for epoxy coating.

Underground concrete tanks already waterproofed externally or above ground

The support must be carefully examined to make sure it is a suitable and structurally sound base. Perform a surface pretreatment to remove dust, dirt, grease, oil, old adhesives or paints, blooms, rust, mould and other foreign materials and create a rough surface. This treatment must be decided according to the conditions in which the surface is located and may be:

- hot water pressure washing;
- acid washing;
- sanding;
- diamond grinding;
- scarification;
- shot peening.

Any depressions or inconsistencies of the support must be compensated with products suitable to be coated with epoxy resins: TOWERIP.

Underground tanks without external waterproofing

Carefully check that the support is homogeneous, free of inconsistent parts and clean and prepare it for the application of AQUACEM. Wait at least 48 hours at +25°C and 50%RH or 72 hours at +20°C 50%RH for the product to mature.

Metal tanks

If the surfaces are oxidized, remove the oxide by abrasion or sandblasting, at the end of the sanding, the roughness profile should be corresponding to the Rugotest grade 3 N11 according to ISO. Apply EPOZINCO then wait no more than 24 hours for the coating with IVAPOX 730 A

Type of Equipment:

Roller, brush, air-less (Nozzle diameter: 0.015-0.023 inches (equal to 15-23 mils or 0.38-0.53 mm) pump pressure: 200-300 bar

Application Procedure:

Mix the Comp. A with the professional mixer at low rpm.

Mix the Comp. B with the professional mixer at low rpm.

Add IVAPOX 730 A comp. B to comp. A and thoroughly mix the product with professional mixer until a dough of homogeneous color.

depending on the desired thickness, apply in one hand or 2 coats spaced at least 24 hours. Between the first and the second coat it is necessary to provide a light sanding to facilitate the adhesion.

The application can be carried out by roller/brush or by spraying with airbrush or air-less.

At temperatures above +23°C, in fact, there is a significant reduction in the pot-life of the A+B mixture; during the application, a uniform layer of product and a homogeneous wetting of the support without uncovered points.

Spray application with air-less spraying parameters:

nozzle diameter: 0.015 3 0.023 inches (equal to 15 3 23 mils or 0.38 3 0.53 mm)

pump pressure: 200 3 300 bar

Disposal and safety indications:

Dispose of according to local regulations.

For information on possible dangers, consult the safety data sheet

Packaging:

CompA: 6.3Kg

Comp. B: 3.1Kg

Storage:

2 years in intact packaging between 5 and 35°C, resistant to frost and direct exposure to the sun

TECHNOLOGIES/CERTIFICATIONS

