

Eurotaff Epoxi 731

Description

Colourless, high solids content amine epoxy resin

Recommended uses

1. Repairing and filling cracks, flaking, construction joints, cavities and irregularities in concrete.
2. Base layer in an epoxy systems with flat, multi-layer or self-levelling finishes.

General technical properties

- Solvent free, 100% solids product
- Good adherence to concrete
- Good impact, friction and abrasion strength
- Quick drying, allows short intervals between layers
- No shrinking
- Quickly into service

Specification

Appearance:	Matte
Colour:	Colourless
Volume of solids:	96 – 2%
Yield:	0.900 – 1.700 kilos / m ² (mixture 1: 1 with SILICA)
Specific weight:	1.010 +/- 0.020 Kilos / Litre
Dry to the touch:	6 hours at 20° C and 60% relative humidity
Put into service:	24 hours for human traffic, 72 hours for light vehicles, 7 days for full service
Flash point:	95° C
VOCs:	Complies with Directive 2004/42/EC (RD 22/2006) Appendix I subcategory j): 3.1 g/l (500 g/l maximum as from 01.01.2010).
Catalyser:	Catalyser EUROTAFF EP 731
Mix ratio:	9 to 1 by weight
Mixture with silica:	1 kilo of resin + hardener mixture / 1 – 1.5 silica
Pot life:	10 minutes at 20° C
Tools:	Trowel
Dilution:	Do not dilute
Cleaning:	Epoxy thinner
Thickness:	1-1.5 mm
Interval between layers:	Minimum: 8 hours at 20° C Maximum: 7 days at 20° C
Conditions:	Apply at temperatures above + 10° C and relative humidity below 80%. The temperature of the paint and the surface must be above this limit.

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Surface preparation and instruction

Green concrete procedure:

Allow the concrete to cure completely. Eliminate any curing slurry, efflorescence and other contaminants using mechanical processes.

Sealing: Apply a layer of **EUROTAFF EP 700**. Allow to dry. (Optional)

Smoothing coat: Using a flat trowel, apply a layer of **EUROTAFF EP 731** mixed with 1 kilo of resin and 1 / 1.5 of silica mixture. 20 – 30 minutes later, sprinkle with silica until saturated. After 12 hours, sweep and aspirate no non-compacted silica and sand down any peaks. Mop the surface with epoxy thinner to remove any possible exudations.

Finishing coat: Continue by applying the selected system (paint, protection + reinforcement, multi-layer, coloured quartz or self-levelling layer).

Restoration and maintenance

If already applied product is not in desired condition, remove it completely with mechanical processes or manually. Make any cracks or cavities, etc., sound until reaching a firm base. Impregnate the areas made sound with **EUROTAFF EP 700** applied using a heavy bristle paintbrush until saturated. While fresh, fill with mortar prepared with **EUROTAFF EP 731** mixed with fine or coarse according to the irregularity. Allow to dry for 6 – 8 hours at 20°C. Continue as in the above section for new concrete pavements.

Observation

Mix the two components using a low-speed (350-500 rpm) paddled mixer. Consult technical department for treating pavements that are not made of concrete. Keep the containers away from frost and exposed to direct sunlight.

Safety instruction

The containers bear the relevant security labels, the indications of which must be observed. Furthermore, national and local legal requirements must be followed. Do not inhale the solvent vapours and avoid contact of the liquid paint with the skin or eyes. If applied in closed spaces, provide forced ventilation. Use personal protection equipment.

Packing

22 and 220-kg containers.