# \*NEOTEX\* s.A

#### **ESTABLISHED IN 1959**

#### WATERPROOFING - EPOXIES - REPAIRING - INSULATION



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#### **TECHNICAL DATA SHEET**

# **Epoxol® 2004 (FLUID-SLOW)**

**Epoxol** 2004 is a two component solvent-free, low viscous epoxy system for repairing damages on cars, yachts, boats, fuel tanks, sewage piping. It is suitable for impregnation of carbon fibres, Kevlar fibres and fibreglass sheets.

## **Fields of applications**

**Epoxol 2004** is recommended for metallic, concrete or cement-based surfaces (which need high mechanical and chemical resistance), storage tanks (for water, dilute solutions of acids, bases or salts.

#### **Properties**

**Epoxol** 2004 is a two component solvent-free transparent epoxy system for coating based on selected resins and hardeners with significant strength and chemical resistance to alkalis, diluted acids, water, petroleum oils and many solvents. It grants a hard and glossy surface after curing.

#### **Technical characteristics**

Epoxy resin with hardener

Colour: transparent, amber

Density (component A): 1, 16 g/cm<sup>3</sup>
Density (component B): 1, 03 g/cm<sup>3</sup>
Mixing ratio (weight proportion): 100A:50B

Working time (150g at 25°C): 60 min

Hardening time (touch free-25°C): 4-5 hours
Hardening time (touch dry-25°C): 24 hours
Recoating time: 24 hours
Total hardening/curing: 7 days

Consumption: 2 m<sup>2</sup>/kg per layer

#### Instructions for use

<u>Concrete surfaces</u>: The surface should be rough (not smooth), levelled, free from dust, dirt, greasy and oily substances. The use of a primer is not necessary.

<u>Metallic surfaces</u>: Clean the surface from rust by sandblasting or with the use of a wire brush. Afterwards apply one or two coats of **Neopox** \* **Special Primer No 1225** (mixing ratio 80A:20B) diluted 8-10% with **Solvent No 1021** to protect against rust.

<u>Application:</u> **Epoxol® 2004** is ready for use with brush or roller after mixing both components A&B thoroughly with low revolution mixer (3-5 minutes) in fixed proportion per weight. Then apply at least two layers.

Applying conditions: Hardening Temperature  $> +8^{\circ}C$  and relative humidity < 80%.

#### Notes

- Low temperatures and high humidity during application prolong drying time, while high temperatures decrease it
- After stirring pour the mix soon enough in order to prevent high temperature and polymerization inside the pot.
- Product application should take place at least 4 weeks after casting the new concrete.

#### Cleaning of tools

Use Solvent No 1021 immediately after application

#### Stain removal

Use **Solvent No 1021** when the stain is still fresh and damp. In case of hardened stains, use mechanical means.

#### **Packing**

Sets of 15 kg and 1, 5 kg available in metallic cans in fixed weight proportion of components A&B

## Storage stability

24 months when the two components are kept sealed and separated in their unopened original containers (by temperatures  $5-45^{\circ}$ C).

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.