

# NURPOXY

Epoxy Based Bitumen Membrane

EPOXY-BASED MEMBRANE

NURPOXY is a two-component, water-based epoxy system. It provides high hardness and abrasion resistance. It can be applied on dry or slightly damp substrates, without standing water. It is classified as SR-B2,0 according to ASTM D-638:03.

## Technical data

Properties	Values	Test Results
Form	Liquid	-
Color	Grey, white, blue	-
Solids Content,	100%	-
Density kg/ltr @ 25 °C	1.61 ± 0.02	ASTM D 1475
Pot life@ 25 °C	80±3 min	ASTM D 2471
Touch dry time@25 °C	12±30 min	ASTM D 2471
Overcoat time@25 °C	12-36 hrs	-
Full Cure time@25 °C	7 days	ASTM D 1640
Adhesion to concrete	> 2.5 N/mm <sup>2</sup>	ASTM D 4541
Water Absorption	< 0.032%	ASTM C 413
Tensile Strength	28 ± 1 N/mm <sup>2</sup>	ASTM D 2370
Flexural Strength	32 ± 1 N/mm <sup>2</sup>	-
Abrasion Resistance	52 mg/1000 cycles	ASTM D 4060

## Fields of application

NURPOXY is used as a primer and other polyurethane systems, when applied on non-absorptive substrates or old waterproofing layers. It may also be used as a primer, as well as for preparing (with the addition of quartz sand) a repairing (filling) material for cement-based substrates, such as concrete or cementscreeds, that will be covered with epoxy resins

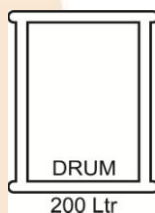
## APPLICABLE STANDARD

Tensile strength ASTM D-638:03

## COVERAGE

3 to 4 m<sup>2</sup> / kg depending upon substrate condition. 3.10 m<sup>2</sup>/ kg @ 200 micron Dry Film Thickness/coat

**Packing:** 200 Liter Barrel and 20 Liter Pail



## **NURPOXY**

Epoxy Based Bitumen Membrane

### **EPOXY-BASED MEMBRANE**

#### **INSTRUCTIONS FOR USE**

##### **SUBSTRATE PREPARATION**

All surfaces should be clean, dry and free from grease, laitance, oil or dust. Remove all loose material. Moisture content should not exceed 5%. New concrete should be at least 28 days old. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed, in prior to apply weber.dry epo PW. All steel substrates should be free from dirt, oil and grease and blast-cleaned to Sa 2½ according to EN ISO 12944, part 4.

##### **PRODUCT PREPARATION**

Stir each component separately first for ten seconds. Then, pour the entire contents of the smaller can (hardener) into the base container and the material should be mixed well for at least one minute by mechanical mixer using a slow or medium speed mixing drill. The epoxy must be well mixed to ensure proper chemical reaction. After mixing, apply immediately.

##### **PRODUCT APPLICATION**

Nurpoxy doesn't need primer. Once mixed, the material should be immediately applied using a brush, roller or spray ensuring a continuous coating of uniform thickness. Two coats are recommended to obtain the required protection level, keeping 24 hours in between them. It is highly recommended to use different colour in each coat to control hiding all surfaces in both applications.

##### **SAFETY PRECAUTIONS**

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapour. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapour inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

For further information, please contact:

**Nuroil Trading FZE**

Sharjah, United Arab Emirates.

Email : [info@nuroil.com](mailto:info@nuroil.com)

Phone : +971 6 5351779

Fax : +971 6 5351769