



DEVELOPMENT RESINS ADMIXTURES CONCRETE

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WEPOX

EPOXY RESIN MODIFIED EMULSIBLE IN WATER

DESCRIPTION

WEPOX is a complex system based with epoxy resin modified, yielded emulsible from a special catalyst agent.

WEPOX is among the more interesting and versatile product in the synthetic resins. Correctly used in many possible applications, it solves at low cost many problems in housing and industrial buildings.

FIELD APPLICATION

IMPREGNATION, REINFORCEMENT AND SURFACE WATERPROOFING.

WEPOX impregnates, reinforces and waterproofs the big part of building materials as concrete and precompress concrete slabs, pillars, scaffolding, industrial floors also if they are already hardened surfaces, airport runways, waiting airplane pits, cement blocks and cement clay pannels, baked-roof tiles, bricks, calcarea stones, wood products, plaster products, etc.

WEPOX ACTION

The impregnation takes place for capillar sucking, the treated material porosity became saturated in a section more or less deep in function of the support porosity, of the resin dilution and the application's number.

It is possible to impregnate supports for changed sections from few millimeter to more than 1 cm.

The coatings done with WEPOX do not realize a surface covering. It is well known that the surfaces coatings in time degrades, due to sun, water and atmospheric environment. WEPOX penetrating in the rough begin to be a part of the structure because the resin reaches and winds the components (binder and aggregates). WEPOX cathalising shapes an unique, homogenous new epoxy structure, improves the mechanical-phisical-chemical specs of impregnated material, strenghening the binder eventually deteriorated or partially missing.

ADVANTAGES

When the hardener takes place (7 days to 20 °C) WEPOX gives to the material the following characteristics:

- waterproof to water, oils, petrol, kerosene;
- excellent resistance to the atmospheric agents in industrial places;
- increase resistance to wear of treated materials;

- reinforce all the impregnate sections;
- antidust;
- moderate resistance to the chemical aggression;
- easiness and economy in laying. WEPOX come dilute in water, does not leave vapours and does not required any particular ventilation of the room in which is layed, the ventilated room will favour the evaporation of water and the resin hardening.

SUPPORT PREPARATION

Follow correctly what is described in the technic note EFD 1.

COMPONENT PREPARATION

WEPOX components come supply in two separate cannisters:

A - basic formula

B - hardener

Before to take off the necessary quantity of both products must be mixed very well, in each cannister. After mixing the products in the ratios weight indicated on the packaging.

We suggest, for practical reasons to use the whole quantity of the components, A basic formula, B hardener, combining the B packaging to the A packaging, because the weight and the proportions are predetermined during the packaging avoiding the possibility of weight mistakes.

Example: 1/2 kg A formula + 1/2 kg B hardener + 9 kg of water.

The mixing should be strong protected at least 4-5 minutes since to obtain an homogeneous cream of white milk colour.

(The best result of mixture will be obtained using the drill with variable speed with pole and ground plate record RESIMIX).

To obtain a right emulsion will be necessary to add gradually a first liter of water continually mixing, the same with a second liter; ascertain the scattering omogeneity add the other 7 liters of water continuing the mix.

WEPOX emulsion has a stability about 2 hours at 20 °C during this time the product must be used.

APPLICATION AND USE

WEPOX can be applied with roller, paint brush, brush and spray, the product fluidity leaves many different applications.

The product use is in function of the absorption grade of the rough.

Usually with a liter of emulsion you can treat from 7 to 14 m² of concrete surface not porous.

Apply a first hand, if necessary a second's and the successive in section function to prepare and reinforce.

When you wish only an antidusty treatment antiabsorbent, you apply a first hand and after 3-12 hours apply a second hand.

The product must be absorbed from the support and must not produce superficial film.

PACKAGING AND STORAGE

Plastic bucket from 2-10-20 kg. Other kind of packing are available on request.

The product in his original packing, in the separate packing storing to a temperature not lower than 10 °C has a self life higher than 6 months.

SPECIFICATIONS

The epoxy emulsiable resin in water WEPOX should be applied on building materials where you desire the structures impregnation to obtain waterproof surfaces, antidusty, not absorbent, with excellent resistance to the atmosphere agents, also in industrial and marine environments, moderate resistance to the chemical aggression and easiness of application (also in closed places) because the resin in water solution and does not leave solvent vapour.

The product will be used with instructions of the producer: *Draco Italiana S.p.A.*, who will give, on request, technical assistance.

TECHNICAL DATA

Specific weight.....:	1.05 kg/liter
Dry residual.....:	80 %
Workability time.....:	2 hours at 20 °C
Hardening to touch.....:	24 hours at 20 °C
Total hardening.....:	7 days at 20 °C
Mixture ration in weight...:	read instructions on the packing
Minimum temperature.....:	10 °C
Hand coverage.....:	70-100 g/m ²

ATTENTION: Mixing considerable quantity of WEPOX during the summer the working time will be considerably reduced.

WEPOX hardening depends from the temperature and the room humidity grade.

Higher is the temperature and lower the humidity grade, more speedy will result the hardener. Hardened WEPOX produce a transparent film that under the ultraviolet action, will result of straw colour.