



DEVELOPMENT RESINS ADMIXTURES CONCRETE

DRACO ITALIANA s.p.a.

SEDE E STABILIMENTO:

Via Montegrappa, 15 - 20067 TRIBIANO (MILANO)

Tel. 02/90632917 r.a.

Fax Simile 02/90631976 - Tlx. 341118 DRACO I

# EPOX-RIPRESA

EPOXY STRUCTURAL ADHESIVE  
FOR CAST RESUMPTION

## DESCRIPTION

EPOX-RIPRESA is a valuable epoxy semifluid adhesive, two-component, specially formulated for the adhesion of new casting on pre-existent casting.

EPOX-RIPRESA gives an adhesion that must be considered structural because in the breaking test made, it has never happened results of separation of the product from the support, but always support breaking.

EPOX-RIPRESA is a cold epoxy system net thermo hardener with a special hardener starch asolonic free from solvent, plasticizer, etc. and so without any shrinkage.

EPOX-RIPRESA can be used either on dry surfaces or humid surfaces.

## FIELD APPLICATION

EPOX-RIPRESA is applied like quality adhesive in the civil engineering as:

- new on old of fresh conglomerate over the pre-existence concrete;
- anchoring of machinery, bolts, plates, over traveling cranes, etc.;
- restoring and structural reinforcement as sealing agent for material of different nature (steel-concrete) beton plaquet;
- polimeric concretes, blocks coating;
- primer for anchoring with special mixer;
- structural sealing with prefab concrete element also bearing state in order to reconstructe monolithic stage.

Note: If for working condition you need a tixotropic material use EP. FIX.

## ADVANTAGES

- High adhesion power for every kind of support.
- Possibility to obtain structural connection among concrete and concrete, concrete and iron, concrete and wood.
- High mechanical resistance.
- Excellent resistance to the water, to the mineral water, to the petrol, to the aggressive solution, acid and alkaline, to the saline solution, etc.
- Versatility of application, also with humidity and water, guarantee the adhesion.

## COMPONENT PREPARATION

EPOX-RIPRESA components are provided in two separate cannisters:

A - base formula

B - hardener

Before to take the necessary quantity both the products must be mixed very well, each in their cannister.

We suggest, for practice, to use all quantity of the component, A formula and B hardener, connecting the packing B to the packing A because the weight and the proportion are predetermined during the packaging avoiding so any possibility of fraction weight.

The mixture must be energetic for the time of 4-5 minutes until to obtain the perfect omogeneity of the component with drill and ground plat like RESIMIX.

If necessary, plot the product mixing in the weight relation indicate on the packing.

## APPLICATION

The support must be perfect clean and without dust for his preparation follow correctly what is described in the technic bulletin EFD/1.

EPOX-RIPRESA being a superfluid product can be applied with a paint brush, roller or spray.

## NEW ON OLD CONCRETE

The application of EPOX-RIPRESA on the rough must be do immediately after the mixture of the two component, and the fresh concrete must be layed within 1-2 hours to the product coating and as environmental temperature. Apply 300-600 g/m<sup>2</sup> of product in function to the rough porosity.

## PRIMER

EPOX-RIPRESA can be used like adhesion promoter to epoxy different systems. In these cases the product can be applied in homogeneous thickness in reason of 150-300 g/m<sup>2</sup>.

The following finishing application should not be done before a minimum time of 12 hours and not after the 24 hours.

## PRECAUTION

Avoid the contact with the skin, mocus membrane, eyes, etc. In case of accidental contact wash with water and soap.

We recomend the usage of gloves.

Apply in open room or artificially ventilate in the work place.

# EPOX-RIPRESA



## PACKAGING AND WAREHOUSING

Plastic bags from kg 1.6 - 3.6 - 19.2  
Other kind of packaging are available on request.  
Separate packing are available on request.  
Warehousing at temperature not lower than 10 °C, the product has a shelf life of more than one year.

## SPECIFICATIONS

Particular attention must be put in the choice of the adhesive agent regarding the mechanic resistance, to traction, to flexion, and durability.  
These characteristics are verifiable in EPOX-RIPRESA product structural sintetic adhesive that will must be apply on surfaces in concrete, iron, wood etc.  
To obtain a perfect structural stick among the different component.

Besides the product must guaranteed the excellent resistance to the water, to oils, petrol, agressive solution, acid and alkaline, saline solution etc.  
The product can be applied also with presence of humidity or water.  
EPOX-RIPRESA will be applied in accordance with the producer, *Draco Italiana S.p.A.*, that will offer, on request, technical assistance.

### TECHNICAL DATA

Specific weight.....	1.1 kg/liter
Dry residual.....	100 %
Workability time.....	60 minutes at 20 °C
Hardening to touch.....	24 hours at 20 °C
Total hardening.....	7 days at 20 °C
Minimal temperature of application.....	5 °C
Mixing ratio in weight.....	read instructions on packing
Compression resistance.....	92 MPa
Traction resistance.....	31 MPa
Flession resistance.....	51 MPa
Elastic modul.....	2000 MPa
Elongation to breaking.....	2.5 %
Concrete/concrete adhesion...	Breakaway 0 % Adhesive breaking 0 % Rough breaking 100 %

ATTENTION: Mixing major volume of resin at same temperature the time-work will be reduced progressively.

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