

DURA EP INJECTION (WINTER/SUMMER)

SOLVENT FREE TWO COMPONENT EPOXY INJECTION RESIN

High resistance and penetration in repairs and restoration of cracks

Description : Two component, solvent free, low viscosity, epoxy injection resin, based on selected resins and hardeners.

Usages: Suitable for repairing concrete cracks, ensuring the structural integrity of the concrete. It can also be used for anchoring of reinforcement in cases of pre-stressed wires.
It is used for crack widths between 1 – 3 mm



Advantages:

- High mechanical and chemical strength
- High fluidity
- Low viscosity
- Excellent adhesion on concrete and other surfaces (mortar, wood, steel etc.)
- You can choose between two types, depending on the time of the year (summer – winter), due to the sensitivity of epoxy systems to temperature and humidity.
- Easy to apply
- Does not shrink.


Packaging /distribution : Metal containers (sets of A+B=1kg)
SUMMER: Component A (resin)=0.65 kg, Component B (hardener) = 0.35 kg
WINTER: Component A (resin)=0.80 kg, Component B (hardener) = 0.20 kg


Storage: Maximum storage time in intact packaging, dry environment and ambient temperature between 5°C - 30°C: 24 months from the production date

Specifications: EN 1504-5
SUMMER: U(F1)W(8)(1/2)(15/38)(0)
WINTER: U(F1)W(8)(1/2)(5/23)(0)

TECHNICAL DATA:

Adhesion by tensile bond strength (EN 12618-2)	> 3 N/mm ²
Adhesion by slant shear strength (EN 12618-3)	Monolithic failure
Non-volatile matter (EN ISO 3251)	> 95%
Shrinkage (EN 12617-2)	< 3%
Workability (EN 12618-2)	
- crack width	> 0,8 mm
- moisture state of the crack	Dry/ non dry
Viscosity (Brookfield RV2)	WINTER: 140±28mPa s SUMMER: 320±64mPa s
Workable time (EN ISO 9514)	60 min
Tensile strength development for polymers (EN 1543)	Tensile strength >3 N/mm ² within 72h at the minimum use temperature
Durability (EN 12618-2)	pass
Corrosion Behavior	Non corrosive

 14 DoP: 217 MAR-CPR 0906
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 1504-4:2005 MARMOLINE DURA EP INJECTION – WINTER Concrete injection product for force transmitting filling of cracks (method 4.5, 4.6) U(F1)W(8)(1/2)(5/23)(0)

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APPLICATION:

Consumption: WINTER: 1.1 kg of resin is required in order to fill a volume of 1 liter
 SUMMER: 1.02 kg of resin is required in order to fill a volume of 1 liter

Application mode:

- The surfaces to be repaired should be sound, dry, clean and free from any foreign particles
- Before the mixing of the two components, mix each component separately and then mix mechanically component A and component B, for about 2-3 minutes, to achieve an homogeneous mixture with an uniform colour.
- For the rehabilitation of concrete cracks, DURA EP INJECTION is applied by following the conventional technique for injectable resins using low-pressure pumps or by casting

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