



MORCEM® DRY E

DESCRIPTION

Bicomponent, solvent-free epoxy resin coating. It can be applied on substrates in contact with aqueous foods or drinking water. Provides waterproof coatings with high resistance to abrasion and acids and alkalis.

ADVANTAGES AND USES

- Coating for concrete protection and waterproofing.
- High adhesion to the support.
- Chemical resistance to acids, alkalis and mineral oils.
- Waterproofing.
- Abrasion resistance.
- Coating on concrete or mortar supports such as dams, channels, tanks, decanters.
- Coating of metal elements, in pipes, structures, etc.
- Floor and wall coverings in chambers, laboratories, rooms, halls, warehouses, etc.
- It can be applied outdoors; although it should be noted that it may yellow due to UV effects.

SUITABLE SUBSTRATES

- The surface shall be clean of dust, grease and loose particles.
- Sandblasting or pressurized water (200 atm) is recommended, and can sometimes be replaced by a mechanical or manual wire brushing / milling, etc.

APPLICATION PROCEDURE

- Begin by stirring the contents of both components separately to homogenize them.
- Pour the entire contents of the container labelled as component B into the container of component A and shake by means of a low speed mechanical shaker (< 600 rpm) for 4-5 minutes, until a product with a homogeneous appearance and color is obtained.
- The mixing ratio of this product is A/B = 84 / 16.
- The product is generally applied by roller or brush.
- IMPLAREST E must be used as a primer.

RECOMMENDATIONS

- The tools shall be cleaned with the solvent immediately after use.
- Do not apply on recently applied concrete, they should have undergone some curing time.

CONCRETE REPAIR

MORCEM® DRY E

RESISTANCE TO CHEMICALS CHART

Note: Change in weight is measured as a %

Chemical compound	Result 1 week	Result 1 month
Sodium hydroxide 10%	++	++
Xylene	++	++
Acetic acid 5%	++	+
Distilled water	++	++
Nitric acid 10%	++	--
Sulphuric acid 10%	++	+

Immersion test: 1 month at 23°C

Legend

- ++ Resist contact
- + Film concerned
- Does not resist contact (Film destroyed)

Supplied in two-component batches (A+B): 10 Kg

- **Component A:** 8.4 kg container
- **Component B:** 1.6 kg container.
- Kits of 10 kg.
- The expiration date is 12 months.

PACKAGING AND STORAGE

TECHNICAL DATA

Couleur	Grey
Component A	Bisphenol A (epichlorohydrin) + Reactive solvents
Component B	Cycloaliphatic amines
Consumption	0.4 kg/m ² depending on the roughness/support
Specific weight	1.4 g/cm ³
Solid contents	> 99 %
Pot Life 20°C	60 - 90 min.
Dry to the touch	6 hours
Passable at the foot	24 hours
Time between layers	12 hours minimum - 72 hours maximum
Average consumption	400 g/m ²
Average thickness	300 – 350 microns
Adhesion to concrete	> 2.5 N/mm ² (> own cohesion)
Adhesion to primer	> support priming
Elongation at break	5%
Direct traction adhesion (Rigid system with traffic loads)	3,3 MPa
Water vapor permeability	Class III
Capillary absorption and liquid water permeability	0.0005 Kgm-2·h-0.5
CO2 permeability	Sd > 50m (Class III)

CONCRETE REPAIR

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CE MARK

	
GRUPO PUMA S.L	
Avd. Agrupación Córdoba, Nº 17	
14014 (Córdoba)	
MORCEM DRY E	
EN-1504-2	
Nº : 230041	
Epoxy polymer coating for concrete surface protection and concrete waterproofing.	
Direct tensile adhesion	≥ 2.0 Mpa
Water vapor permeability	Class III
Permeability to CO2	Sd > 50m (Class III)
Capillary absorption	≤ 0.1 Kg·m-2·h-0.5
Hazardous substances	See Safety Data Sheet
Fire reaction	Class F

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

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Rev. 24_07 - This revision cancels all previous ones. Please, obtain the latest version from our web site - www.grupopuma.com - (+34) 957 76 40 40