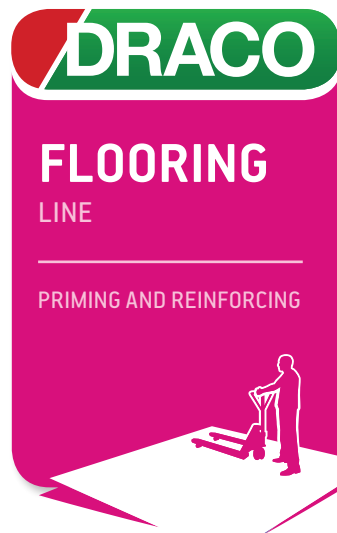


PRIMER E

TWO-COMPONENT, SOLVENT-FREE EPOXY PRIMER
FOR IMPREGNATION AND CONSOLIDATION



PRIMER E is a solvent-free epoxy resin primer that promotes bonding and can be ideally used to penetrate and promote adhesion with all epoxy and epoxy-polyurethane cycles on concrete and mix concrete substrates. **PRIMER E** is specifically designed for superior penetration, reinforcement and to ensure a perfect bond with the substrate. It can also be used on moist surfaces.

BENEFITS

- ✓ **EASY TO APPLY:** **PRIMER E** can be applied simply and quickly using either roller or brush.
- ✓ **SUPERIOR PENETRATION:** **PRIMER E** penetrates deeply even into the most compact substrate, thus ensuring effective consolidation.
- ✓ **HIGH BONDING:** the adhesive strength of **PRIMER E** promotes bonding with subsequent coatings.
- ✓ **SUPERIOR RESISTANCE** to water, aggressive solutions and aging.
- ✓ **BREATHABLE:** **PRIMER E** permits the passage of water vapour.
- ✓ **SAFE:** **PRIMER E** does not contain solvents and has low VOC content.
- ✓ **EFFECTIVE EVEN ON MOIST SUBSTRATES:** **PRIMER E** is specifically formulated for effective application on damp substrates.



USES

- ✓ Impregnation and reinforcement of DRACOFLOOR resin systems for coating industrial flooring.
- ✓ Adhesion promotion on porous substrates of concrete, stone etc.
- ✓ Treatment to improve bonding and reinforcement prior to the application of epoxy and epoxy-polyurethane cycles.
- ✓ Application to moist substrates and in closed environments.



PREPARATION OF SUBSTRATE

- ▶ The contact surface must be sound and perfectly clean and free of dust, efflorescence, grease or flaking material.
- ▶ Prior to impregnation, any cracks, micro-cracking or irregularities on the surface must be repaired with PAVIFIX, the two-component epoxy non-shrink mortar for rapid repair of concrete flooring.
- ▶ Where the substrates are damaged, with cracks greater than 3 mm, it is necessary to build up the substrate with mortar from the FLUECO line and CONCRETE FINISHER products.

PREPARATION OF THE MIX

Mix each of the two components separately in their own containers, then pour component B into component A. Blend together for 3-5 minutes using a mechanical mixer at low speed until the mix is completely uniform. Avoid partial use of contents of the component packs as this could lead to incorrect proportions when mixing and impede hardening.

APPLICATION METHOD

PRIMER E can be applied using either a brush or roller. The coverage rate varies between 300 - 500 g/m² per coat, depending on how porous the substrate is and the level of irregularity. If the surface is particularly absorbent 2 coats of **PRIMER E** should be applied. Once **PRIMER E** has dried completely the protective coating can be applied.

PACKAGING AND STORAGE

PRIMER E is available in:

1 kg drums (A) + 0.5 kg (B) = **1.5 kg**

6kg drums (A) + 3 kg (B) = **9 kg**

If kept in its original packaging and properly stored under cover in a dry place, the product maintains its characteristics for a year.



RECOMMENDATIONS

- ▶ Use rubber gloves and goggles both while working and while cleaning tools.
- ▶ When applying in low temperatures the product must be kept in a heated environment for 36 hours before use.

PRODUCT CHARACTERISTICS

APPEARANCE	Liquid
SPECIFIC GRAVITY	1.1 kg/l
DRY RESIDUE	100%
PACKAGING	1 kg drum + 0.5 kg drum 6 kg drum + 3 kg drum
SHELF LIFE	12 months

APPLICATION DATA

COLOUR	Clear amber
MIXING RATIO	A: B = 2:1
TEMPERATURE OF USE	+10 - +35 ° C
WAITING TIME BEFORE THE APPLICATION OF OVERCOATINGS	min 12 h max 24 h (20 ° C - 65 % RH)
WORKABILITY	approx. 30 minutes (20 ° C - 65 % RH)
CONSUMPTION	300 to 500 g/m ² per coat

The workability and over-coating times will vary depending on environmental conditions. These times are calculated at a temperature of 20 ° C and relative humidity of 65%.

PERFORMANCE CHARACTERISTICS

CHARACTERISTICS	TEST METHOD	PRODUCT PERFORMANCE
TGA DSC (THERMOGRAVIMETRIC ANALYSIS)	UNI EN ISO 11358	+62 ° C
POT LIFE	UNI EN ISO 9514	80'
COMPRESSIVE STRENGTH	UNI EN 12190	55 MPa
MODULUS OF ELASTICITY UNDER BENDING	UNI EN ISO 178	2700 MPa
SHEAR STRENGTH	UNI EN 12188	18.8 MPa
OPEN TIME	UNI EN 12189	80'
MODULUS OF ELASTICITY IN COMPRESSION	UNI EN 13412	2400 MPa
GLASS TRANSITION TEMPERATURE	UNI EN 12614	+62 ° C
COEFFICIENT OF THERMAL EXPANSION	UNI EN 1770	33x10 ⁻⁶ /K
SETTING SHRINKAGE	UNI EN 12617-1	0.02%
SUITABILITY TO INJECTION	UNI EN12618 -2 strain CLS	tear to concrete
FLEXURAL-TORSIONAL BONDING	UNI EN 12636	cohesive rupture to concrete
SHEAR DURABILITY (TEMPERATURE - HUMIDITY CYCLES)	UNI EN 13733	rupture to concrete