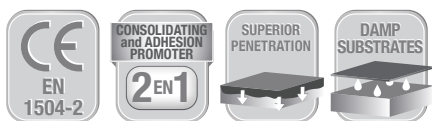


PRIMER ES40

TWO-COMPONENT SOLVENT-BASED IMPREGNATING EPOXY PRIMER FOR CONSOLIDATION



PRIMER ES40 is a two-component epoxy resin specifically formulated for the impregnation and consolidation of slightly porous substrates, including damp ones. It can be applied on concrete mix, stone materials, wood etc. prior to epoxy cycles.

BENEFITS

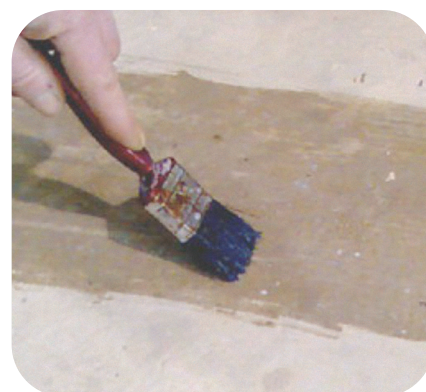
- ✓ **EASY TO APPLY:** **PRIMER ES40** can be applied easily and rapidly with roller, brush or spray machines.
- ✓ **HIGH IMPREGNATION POWER:** **PRIMER ES40** penetrates deeply even in compact surfaces for effective substrate consolidation.
- ✓ **HIGH ADHESION:** the adhesive strength of **PRIMER ES40** helps bonding the subsequent coatings.
- ✓ **HIGH RESISTANCE:** **PRIMER ES40** is resistant to water, aggressive solutions and ageing.
- ✓ **BREATHABLE:** **PRIMER ES40** allows the passage of water vapour.
- ✓ **EFFECTIVE ALSO ON WET SUBSTRATES:** **PRIMER ES40** can be applied even on moderately damp substrates.



AREAS OF APPLICATION

PRIMER ES40 is used as an agent promoting adhesion on porous substrates of concrete, stone, etc., for:

- ✓ epoxy, polyurethane and methacrylic coating cycles;
- ✓ epoxy, polyurethane and methacrylic flooring;
- ✓ surface consolidation of porous substrates;
- ✓ consolidation and waterproofing of indoor flooring;
- ✓ dust-proof treatment.



SUBSTRATE PREPARATION

The substrate must be compact and perfectly clean, free of dust, efflorescences, grease or crumbling parts.

Any cracks, micro-fissures or irregularities of the substrate must be restored with PAVIFIX, the two-component shrinkage-compensated epoxy mortar for fast repair of concrete flooring.

Sand carefully to remove the absorbent surface coating, especially on newly built industrial concrete flooring, and remove dust.

COMPONENTS PREPARATION

The **PRIMER ES40** components are supplied in two separate containers.

A - base

B - hardener

Mix the components each in its own container before mixing them. Pour component **B** into component **A** and mix for 3÷5 minutes using a drill and a variable speed mechanical stirrer. Do not take partial quantities from packages: a wrong mixing ratio could cause damage during the hardening process.

HOW TO USE

PRIMER ES40 can be applied by roller, brush or spray machines. Consumption is 350÷400 g/m² per coat, depending on substrate porosity and irregularities. On particularly absorbent surfaces, apply **PRIMER ES40** in 2 coats.



RECOMMENDATIONS FOR HOT CLIMATES

- ▶ Store **PRIMER ES40** away from sunlight.



RECOMMENDATIONS FOR COLD CLIMATES

- ▶ In case of application at low temperatures, it is recommended to store the product in a heated environment during the 24 hours before.

PRECAUTIONS

- ▶ It is recommended to ventilate the workplace.
- ▶ Use rubber gloves, protective glasses and respirator (it contains solvent) while working and cleaning the tools.
- ▶ Avoid skin and eye contact with the resin, the hardener or the two components already mixed.
- ▶ In case of accidental contact, rinse with abundant quantities of water and mild soap.
- ▶ Clean the tools soon after the application.
- ▶ Do not dilute with water or solvents.
- ▶ Do not apply with water or on wet surfaces.

PACKAGING AND STORAGE

PRIMER ES40 is available in package of:

- 8 kg pail (A) + 2 kg pail (B) = (A+B) **10 kg**

If the product is stored properly in its original packaging, indoors in a dry place and located at a temperature not below + 10°C, it will maintain its original features for 12 months.



PRODUCT FEATURES

APPEARANCE	transparent amber liquid
SPECIFIC WEIGHT (A+B)	0.900 kg/lit ± 0.05
PYCNOMETER DENSITY - UNI EN ISO 2811	Comp A: 1.00 kg/lit ± 0.05
	Comp B: 0.90 kg/lit ± 0.05
	Comp A: approx. 25 mPa.s
VISCOSITY - UNI EN ISO 3219	Comp B: approx. 20 mPa.s
DRY RESIDUE	40%
PACKAGES	8 kg pail + 2 kg pail
STORAGE PERIOD	12 months
CUSTOMS HEADING	3907 30 00

APPLICATION DATA

WORKING TIME AT +20°C	approx. 90 minutes
TOTAL HARDENING	within 24 hours at +20°C
OVERCOATING	within dry to touch, 24 hours maximum
MINIMUM APPLICATION TEMPERATURE	+5°C
CONSUMPTION	350 ÷ 400 g/m ² per coat depending on the substrate

Workability and overcoating times vary depending on environmental conditions. The above times are calculated at a temperature of 20°C and relative humidity of 65%.

PERFORMANCE CHARACTERISTICS

COMPLIANT WITH MINIMUM REQUIREMENTS AS PER EN 1504-2 COATING (C) PI - MC - IR PRINCIPLES

FEATURE	TEST METHOD	MINIMUM REQUIREMENTS	PERFORMANCE REQUIREMENTS
CARBON DIOXIDE CO ₂ PERMEABILITY diffusion equivalent air layer thickness S _D (m)	EN 1062-6	S _D > 50m	S _D > 50 m
WATER VAPOUR PERMEABILITY equivalent air layer thickness S _D (m)	UNI EN ISO 7783-1 UNI EN ISO 7783-2	Class from I to III	S _D > 50 m (Class III)
CAPILLARY ABSORPTION AND WATER PERMEABILITY	UNI EN 1062-3	w < 0.1 kg/m ² · h ^{0.5}	w < 0.1 kg/m ² · h ^{0.5}
ADHESION BY TENSILE BOND STRENGTH MC (0.40) substrate according to EN 1766	UNI EN 1542	Rigid systems without traffic ≥ 1 MPa Rigid systems with traffic ≥ 2 MPa	Specification outdated

Legal notice - SLCMP version dated 01.03.2017

In the technical specification herein, DRACO Italiana S.p.A. uses the indicators therein specified, with the relevant standards. The customer shall check if this sheet and the figures therein contained apply to the product batch they are interested in or if they have been overridden by any later release. If in doubt, check whether this sheet matches the one applicable at the time of finalising the sales agreement, available on the website www.draco-edilizia.it, and/or contact our engineering department. Any advice on the use of the Products given by Our personnel, either verbally or in writing, at the request of the Customer does not constitute an accessory obligation to the contract of sale, nor can it in any way represent a contractual performance on Our part. Such advice is based on our experience and on the best available practical and/or scientific knowledge. As such, it shall not be binding or conditional on the customer or the applicator. The customer shall try our products first to find out whether they are fit for intended use or application. In any case, the customer shall be solely responsible for their choice.