

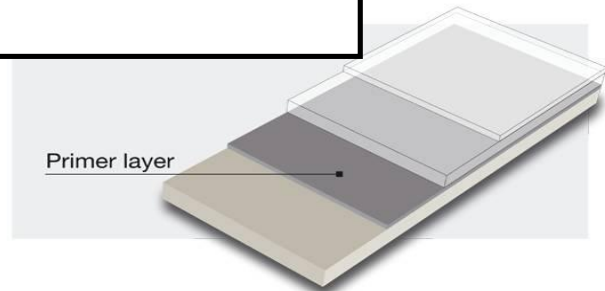


## EPOXFLOOR 450

EPOXY SOLVENT FREE PRIMER

Epoxy primer on damp wet concrete.

### EPOXY FLOOR SYSTEMS



#### Features

EPOXFLOOR EP 450 is a low viscosity epoxy binder system developed specifically for damp or wet application areas. It is designed to provide optimum application and adhesion properties on properly prepared dry or wet concrete substrates. Primer / adhesion promoter to problematic concrete substrates. EPOXFLOOR EP 450 has been developed as a penetrating primer for all NCI POLYUREA systems. Due to its extreme tolerance to wet conditions, EPOXFLOOR EP 450 can be applied to all types of wet-damp and difficult to wet substrates.

#### Advantages

- 100% Solids, **Zero VOCs**
- Low Viscosity.
- Odorless, No Toxic Vapors.
- Penetrating Sealer.
- Formulated as a System with **NCI EPOXY FLOOR** Products.
- Eliminates Pin-Holes.
- Applied by Brush, Spray or Roller.
- Increase Adhesion to Concrete by up to 3x.
- Excellent adhesion onto marginally pretreated concrete.
- Very Good adhesion on properly prepared damp or wet concrete.
- Enables floor application to proceed quicker onto partially cured concrete, roof decks after rainfall and after surface preparation with high pressure water jetting.

#### Applications.

Primer/sealer for concrete

Primer for all NCI EPOXFLOOR systems.

Primer for Polyurethane coatings.

Consumption: 300-600gr m<sup>2</sup>

#### Key data

EPOXFLOOR EP 450

Viscosity at 25°C (*Rotary viscosity, ISO 3219*), mPa.s (cP)

**A**  
800-1100

**B**  
600-1400

Recommended mix ratio by weight

100

60

Recommended mix ratio by volume

100

61.64

Solids %

100

100

Initial mix viscosity @ 23 C, mPa.s (cP)

~ 1,000

Pot life @ 23 C, min

45

Gel time, TECAM, 250 g, @ 23 C, min

80

Film appearance, visual

Glossy, no blushing/exudation

Walk on Cure time @ 23 C, hrs

12

### Typical data

	A	B
EPOXFLOOR EP 450		
Aspect (visual)	clear liquid	Brown liquid
Color (Gardner, ISO 4630)	2	10
Vapor pressure at 20°C (balance), Pa	0.1	0.3
Density at 20°C (ISO 1675), g/cm <sup>3</sup>	1.13	1.01
Flash point (Pensky Martens, ISO 2719), °C >	121	85

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### Preparation/Installation:

Concrete should be cured 28 days and be clean, structurally sound and of wax, dirt, loose paints, curing compounds and petrochemicals. Cracks, damage control joints and construction joints should be prepared prior to application. Concrete must be prepared by diamond grinding machine. Apply 300-600gr per m<sup>2</sup> in two layers and wait the primer to dry for 12 hours. Then apply the NCI EPOXFLOOR system. Maximum recoat window with NCI EPOXFLOOR systems is 72 hours.

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### Packaging & Storage

EPOXFLOOR EP 450 is supplied in 8kgs and 16kgs kits. The product has a shelf life of one year when stored at room temperature in the original sealed container.

## NCI CHEMICAL INDUSTRY LTD

8 Ipponaktos street, Nicosia,  
Cyprus, 1016  
Tel: 00357-22623303  
Fax: 00357-22624265  
[info@ncipolyurea.com](mailto:info@ncipolyurea.com)  
[www.ncipolyurea.com](http://www.ncipolyurea.com)

