

ALEF EP 115 PRIMER®

Solvent-Free Two-Component Multi-Purpose Epoxy Primer



DESCRIPTION

ALEF EP 115 PRIMER® is a two-component, solvent-free, low-viscosity, multi-purpose epoxy primer (intermediate coat) with high mechanical and chemical resistance.

USES

- As a primer for concrete surfaces, cementitious screeds, and epoxy mortars
- Suitable for normal and highly absorbent substrates
- Used as a primer and intermediate coat for floor coating systems
- As a binder for epoxy-based levelling mortars and mortar coatings
- Suitable for indoor and outdoor applications

PROPERTIES

Color	Transparent
Solid Content	~100% (by weight)
Solvent	None
Density (Component A – Resin)	1.60 kg/l (+23°C) (DIN EN ISO 2811-1)
Density (Component B – Hardener)	1.00 kg/l
Mixed Resin Density	~1.45 kg/l
Consumption	0.300 – 0.500 kg/m ²
Packaging	15 kg A component + 5 kg B component
Mixing Ratio	A/B: 3/1 (by weight)
Pot Life	+20°C approx. 30 minutes
Mixed Viscosity	800 – 1000 mPa·s (+23°C) (DIN EN ISO 2555)
Compressive Strength	50 N/mm ² (sand filled mortar) (DIN EN 196-1)
Flexural Strength	30 N/mm ² (7 days / +23°C) (DIN EN 196-1)
Adhesion Strength	>3.5 N/mm ² (concrete failure) (DIN EN 13892-8)
Shore D Hardness	78 (7 days / +23°C) (DIN 53505)
Touch Dry	+20°C approx. 8 hours
Curing Time (+10°C)	24 hours – 4 days
Curing Time (+20°C)	12 hours – 2 days
Curing Time (+30°C)	8 hours – 24 hours
VOC	0 g/l (TS EN ISO 11890-2)
Application Methods	Trowel and Roller
Shelf Life	1 year
Equipment Cleaning	Epoxy Thinner or suitable solvent thinner

APPLICATION CONDITIONS

Surface Temperature: +10°C / +30°C
Ambient Temperature: +10°C / +30°C
Relative Humidity: Max. 80%

SURFACE PREPARATION

The substrate must be clean, dry and open-pored. All dust, laitance and loose particles must be removed. Surface repairs and filling of voids should be carried out using a mixture of **ALEF EP 115 PRIMER®** and quartz sand. Concrete substrates should be primed and levelled where necessary.

MIXING

Component A (Resin – 15 kg)
Component B (Hardener – 5 kg)
Mix **A + B** with a mechanical mixer for **3 minutes** until homogeneous.
If filler (Component C) is required, add gradually during mixing.

APPLICATION

Primer System: Solvent-Free Epoxy Primer.
Apply the primer to the prepared substrate and distribute evenly with a roller.
Mortar System: Solvent-Free Epoxy Primer + Quartz Sand.
The mortar mixture is prepared using **ALEF EP 115 PRIMER** and **quartz sand in a 1:5 ratio**.
Filler consumption may vary depending on the substrate condition.
After the primer has cured, apply the prepared mortar mixture to the surface.
After curing, apply a final primer coat if required.

PACKAGING

- **Two-component set (A + B): 20 kg**
- **Component A:** 15 kg (Epoxy Resin, transparent, liquid)
- **Component B:** 5 kg (Epoxy Hardener, yellowish, liquid)

STORAGE

Store the product between **+10°C and +30°C**.
Protect from direct sunlight.
Opened containers must be tightly closed and stored in their original packaging.
Opened products should be used within **one week**.

SHELF LIFE

- **12 months** from the date of production when stored in unopened, undamaged original packaging in dry conditions.
- Containers must be tightly closed when not in use.
- Protect from frost.
- Do not stack pallets on top of each other during storage and transportation.

SAFETY

This product is intended for professional use only. Use appropriate personal protective equipment (mask, gloves, goggles).
Avoid inhalation, ingestion, and contact with skin and eyes. Protect eyes and face during application.
In case of eye contact, rinse immediately with plenty of water and seek medical advice.
Apply in well-ventilated areas and take necessary precautions against fire, explosion, and environmental contamination. Refer to the Material Safety Data Sheet (MSDS) before use.

LEGAL DISCLAIMER

ALEF YAPI ÜRÜNLERİ İnş. Taah. San. ve Tic. Ltd. Şti. shall not be held responsible for application errors resulting from improper use of the product or failure to follow the above instructions.