



a.b.e.[®] Construction Chemicals

PU/HPU Primer

Polyurethane/High Build Polyurethane

THREE-COMPONENT POLYURETHANE PRIMER
CHEMICALLY RESISTANT, SOLVENT FREE

DESCRIPTION

PU/HPU primer is a three-component polyurethane primer specifically designed for use with **abe.[®]screed PU** and in combination with **abe.[®]flo HPU** as a pore sealer.

USES

Primer for **abe.[®]screed PU** and a pore sealer for **abe.[®]flo HPU**.

ADVANTAGES

- Excellent chemical resistance.
- Enhanced adhesion.
- Effective pore sealing.
- Solvent free.
- Low odour during use.

COLOUR

Light amber.

SURFACE PREPARATION

Substrate must be concrete or polymer modified screed above 25 N/mm² compressive strength. Totally enclosed heavy shot blasting or scarification should be used to remove all residues to provide a dry, dust-free open textured surface with exposed aggregate.

Anchorage grooves, minimum 4 mm wide x 4 mm deep, must be formed at all edges, bay joints, columns doorways, drains and at regular centres across the floor. Generally, groove width and depth is 2X screed thickness. If time constraints (or any other) results in application of screed short of these anchor grooves, then cut new grooves to finish off application and start next application with new grooves.

PROPERTIES DURING APPLICATION (23°C)

Pot life	Approx. 30 min.
Recommended film thickness	100µm
Density	1,3
Practical Coverage	3 - 4 m ² /L depending on surface roughness and porosity.
Packaging	5L three component kits

PROPERTIES OF DRY FILM

Inter-coat adhesion time	Max 72 hrs
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BONDING/PRIMING

PU/HPU primer is recommended as a primer/pore sealer and must be allowed to cure. Priming must be undertaken in the late afternoon (i.e. declining substrate temperature).

MIXING

Do not mix by hand. A helical mechanical mixer is recommended. Kit components are pre-weighed for optimum performance. Never split or proportion kits. Add aggregate component gradually into base while stirring. Ensure complete distribution of aggregate before adding activator. While stirring, add activator and mix till colour is uniform. Transfer to a clean container and remix for approximately 3 minutes.

COVERAGE

3 - 4 m²/L depending on surface roughness.

APPLICATION

Soon after mixing, spread the primer onto the floor to the required thickness using a sheepskin roller.

CLEANING

Roller should be discarded, but other equipment may be cleaned with **abe® super brush cleaner** before dried/cured.

PROTECTION ON COMPLETION

Protect surface against traffic and spillage until subsequent screeds have been applied and cured

MODEL SPECIFICATIONS

The primer will be a three component polyurethane **PU/HPU primer**. The floor topping will be either **abe.®screed PU** or **abe.®flo HPU** in accordance with **a.b.e.® Construction Chemicals'** recommendations.

PACKAGING

PU/HPU primer is supplied in 5L packs, consisting of Base, Hardener and Aggregate.

HANDLING & STORAGE

All **PU/HPU primer** related products have a shelf life of 12 months if kept in a dry, cool store in the original, unopened packs. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

HEALTH & SAFETY

When wet, **PU/HPU primer** is toxic. Ensure working area is well ventilated during application and drying. Avoid

inhalation of dust and contact with skin and eyes. Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. The use of barrier creams provides additional skin protection. If contact with skin occurs, wash with water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought. When cured **PU/HPU primer** is inert and harmless.

NB: When transporting liquids and semi-liquids by aircraft, ask for material safety data sheet.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.



a.b.e.® is an ISO 9001:2008 registered company
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CHEMICAL SOLUTIONS FOR THE
CONSTRUCTION MATERIALS INDUSTRY
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