



UVBond 2K

Product Description

A solvent-free, two-component aliphatic polyurethane binder specially formulated for stone carpet systems. It provides excellent UV resistance, flexibility, and durability, ensuring long-lasting performance in both indoor and outdoor decorative flooring applications.

Product uses:

- Stone carpet / pebble flooring systems (indoor & outdoor)
- Decorative flooring in commercial, residential, and public spaces
- Decorative walkways, terraces, balconies
- Poolside and garden paths

Properties

- Aliphatic Polyurethane Chemistry – Superior UV stability, non-yellowing finish.
- High Flexibility – Accommodates thermal movements and substrate stresses.
- Excellent Adhesion – Strong bond with natural stone aggregates.
- Weather & Chemical Resistance – Withstands outdoor exposure, cleaning agents, and mild chemicals.
- Durable & Aesthetic – Maintains clarity and gloss, enhancing decorative stone carpets.
- Low VOC – Environmentally friendly, safe for enclosed spaces.

TECHNICAL PROPERTIES

Appearance/Color	High Gloss / Transparent
Density:	1.05 kg/liter
Volume solids %:	100 %
Shore D:	~75-80
Adhesion Strength:	>2.5 N/mm ²
Surface dry:	~4–6 h at 20°C
Light foot traffic	12-18 hours (23°C and 50% R.H.)
Full cure time:	7 days (23°C and 50 % R.H.)
Application temperature:	+8 °C/46.4° F and +35 °C/ 95°F
Min. cure temperature:	+10°C/50°F



Application Details

<i>Application method:</i>	Metal Trowel
<i>Mixing ratio:</i>	2 Resin + 1 Hardener (by weight)
<i>Pot Life:</i>	~ 30 -40 Min.
<i>Mixing with aggregates:</i>	1kg of mixed resin should be mixed with 10 -12 kg of aggregates
<i>Thinner:</i>	Do Not Thin The Product

Surface Preparation:

- Concrete or screed must be sound, dry, and free of dust, oil, grease, laitance, curing compounds, and other contaminants.
- Moisture content should be $\leq 4\%$ by weight (measured with a CM device).
- Substrate tensile strength should be $\geq 1.5 \text{ N/mm}^2$.
- Mechanical preparation: Recommended methods: shot blasting, grinding, or scarifying to remove weak layers and open pores.
- Repairs: Fill cracks, holes, and surface defects with suitable epoxy repair mortar before application.

Application Guidelines:

- Mix Component A and B thoroughly at the specified ratio.
- Add natural stone aggregates gradually while mixing to ensure uniform wetting.
- Apply mixture onto prepared substrate using trowel or rake.
- Compact and level surface; finish with roller if required.
- Protect from moisture during curing.

PRECEDING COAT:

Top Floor 600-SF

Top Floor 650-MT

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Mixing:

Before mixing with the curing agent, stir the base thoroughly in order to prevent any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a Homogeneous mixture.



Legal Notice:

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