



Duraclear PU

Product Description

Duraclear PU is a single-component, water-based, aliphatic polyurethane sealant with a gel-like consistency, designed specifically for sealing stone carpet surfaces. It penetrates and closes pores, forming a transparent, UV-resistant film that ensures complete waterproofing and easy cleaning. Ideal for wet areas such as showers, pools, and outdoor applications.

Product uses:

- Stone carpet surfaces in wet areas (showers, bathrooms).
- Swimming pools and poolside flooring.
- Outdoor decorative stone carpets exposed to sunlight and weather.
- Areas requiring easy-to-clean, hygienic surfaces.

Properties

- Water-based formulation – eco-friendly, low odor, easy application.
- Gel-like consistency – optimized for surface sealing of stone carpet.
- Aliphatic polyurethane – superior UV resistance, non-yellowing.
- Transparent finish – enhances natural stone appearance.
- Durability – mechanical, chemical, and thermal resistance.
- Chemical resistance – withstands lime scale, chlorine, and cleaning agents.
- Complete waterproofing – prevents water penetration in wet zones.

Advantages for Contractors

- Easy to apply, single-component system.
- Enhances stone carpet longevity and appearance.
- Provides reliable waterproofing in demanding environments.
- Environmentally friendly water-based technology.

TECHNICAL PROPERTIES

Appearance/Color	High Gloss / Transparent gel, cures to clear film
Base:	Aliphatic polyurethane (water-based)
Consistency:	Gel-like, thixotropic
Density:	1.10 ± 0.05 g/cm ³ (at 25°C)
UV Resistance:	Excellent, non-yellowing
Volume solids %:	35 %
Consumption:	0.25 – 0.35 kg/m ² per coat (Usually applied in 2 coats for complete pore sealing and waterproofing.)
Surface dry:	~2–3 hours at 25 °C and 50% RH
Dry to Touch:	~4–6 hours

Technical Data Sheet



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

Application method: Metal Trowel / Roller / Brush

Thinner: Do Not Thin The Product

Application Guidelines:

- Substrate must be clean, dry, and free of dust, grease, oil, or contaminants.
- Stone carpet should be fully cured before sealing.
- Repair cracks or defects prior to application.

Application

- Apply using roller, brush, or squeegee to ensure even distribution.
- Recommended two coats for complete pore sealing and waterproofing.
- Apply the second coat only after the first is surface dry (approx. 2–3 hours at 25 °C, 50% RH).

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°C and +30°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.

Legal Notice:

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