

Perdure PU100

100% Solids Polyurea Coating



DESCRIPTION

Perdure PU100 is 100% solids, two component Polyurea Coating designed to be used as a primer/basecoat for full broadcast resin chip systems. It shows excellent adhesion, impact resistance and flexibility on concrete surfaces. It cures rapidly, allowing for a quick return to service.

ADVANTAGES

- Self-Priming
- Rapid Cure, Quick Return to service
- High Impact Resistance
- Highly flexible
- Simple mix ratio (2:1)
- Cross-linking matrix

IMPORTANT CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, curing agents, etc.
- Moisture content must be less than 5%

COMPOSITION

Two-component Aromatic Polyurea

SURFACE PREPARATION

1. The substrate must be free from dirt, grease, oil and other contaminants.
2. The concrete surface profile (CSP) as defined by ICRI must be at least 3.
3. Ensure that the substrate temperature is at least 50°F.
4. The substrate must be free from any moisture vapor emission.
5. Address cracks in the concrete substrate before applying Perdure PU85

APPLICATION

1. Premix Part A and Part B separately before mixing them together.
2. Mix Part A and Part B at 2:1 ratio by volume for at least 2 to 3 minutes.
3. Mix only that amount that can be used in 12 to 15 minutes.
4. Pour the mixed material onto the substrate immediately after mixing the Parts. Leaving the mixed material in the container reduces the pot life significantly.
5. Pour the mixed material into 8 to 12" wide strips and spread it with a notched squeegee for achieve the desired thickness. Immediately back roll the spread material with a 1/4" or 3/8" nap roller.
6. Precut the edges of the floor with a chip brush.
7. Broadcast resin chips between 5 to 8 minutes after spreading the mixed Perdure PU100.
8. Allow Perdure PU100 to cure for at least 2 to 3 hours before proceeding to the next step.
9. The pot life (gel time) will be reduced under high temperatures and/or humid conditions.

CLEAN UP

Clean skin soap and warm water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult SDS for safety and health precautions.

COVERAGE

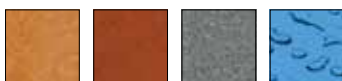
One gallon of Perdure PU100 covers 150 to 160 sq.ft. at 10 mil thickness.

PACKAGING

Perdure PU100 is available in 3.0 gal and 15.0 gal Kits.

COLOR

Perdure PU100 is available in Grey and Tan Colors only.



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TECHNICAL DATA

Specifications				
Drying Time	Category	41°F	68°F	86°F
	Set-to-touch	—	1.5 hrs	1 hrs
	Walkable	—	8 hrs	6 hrs
	Pot life	—	15 min	10 min
	Above drying time have been measured under laboratory conditions and may vary depending on the construction site.			

Specific gravity	approx. 1.15 (mixture)	Solid content (wt%)	Part A	Part B	Mixture
Theoretical Coverage	0.34 kg/m ² (11.81mil)		99.2	100	99.6
Color	Colored	Solid volume ratio	approx. 99±1%		
Mixing ratio	A / B = 2 / 1 (Volume Ratio)	Thickness of dried film	11.81mil		
Shelf life	6 months (41°~95°F indoor storage)	Packaging unit	A part 3.79L, B part 3.79L		

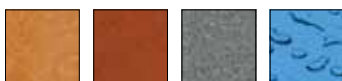
Product Properties (Physical Property Data)			
Tensile strength	Over 16 Mpa	Elongation Rate	50~100 %
Adhesion strength	600 psi (Substrate Failure)	Hardness	Shore D 60 ± 5

TECHNICAL SERVICE

Duraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

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