

POLYFLOOR PU TOPSEAL PUAS-620-2K WB 70

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PUAS-620-2K WB 70 is two components water based polyurethane coating. It has excellent hardness, abrasion resistance and good hot-tire mark resistance. PUAS-620 is suitable for top coat or top seal in interior and exterior uses. Can be applied on floor and wall. Available on clear and color. It provides :

1. Good scratch
2. Food Grade (US FDA 21 CFR 175.300)
3. Non-yellowing and non-chalking
4. Excellent abrasive and scratch resistant
5. Semigloss finish and easy to clean
6. Good chemical resistant
7. Excellent adhesion to concrete and epoxy



Specially designed for top coat interior wood flooring and high quality furniture.

PRODUCT SPECIFICATION

Type	: Two components water based polyurethane
Color	: As shown in the color card
Finish	: Semi gloss
Solid by Volume (mixture)	: $\pm 44\%$
Specific Gravity (mixture)	: $\pm 1.15 \text{ gr/cc}$
Material Consumption	: 0.25 kg-set/m^2
Drying Time (30°C)	:
- Surface Dry	: 2 hours
- Hard Dry	: 20 hours
- Full Cure	: 7 days
Packaging	: 5 and 20 kg-set
Storage Stability	: One year in cool and dry storage and in original not opened box.
Mixing Ratio by Weight	: Comp A : B = 4 : 1 w/w
Pot Life	: 60 minutes in 30°C
Application Method	: Squeegee and epoxy roll
Re-coating Interval (30°C)	: 4 - 6 hours
Application Temperature	: 25 - 35°C
Humidity Maximum	: 80 % RH

TEST PERFORMANCE DATA

Item	: Result	Standard Test
Compressive Strength	: $> 60 \text{ N/mm}^2$ in 28 days	BS-6319 Part 2
Bonding Strength	: $> 2.5 \text{ N/mm}^2$ concrete failure	ASTM D-4541
Abrasion Resistant	: 14 mg loss/m^2	ASTM D-4060
Impact Resistant	: $1 \text{ kg} > 1 \text{ m}$	ASTM D-2794
Hardness	: 81 osc in 7 days	ASTM D-2240 (Shore D)
Tyre Mark Resistant	: Good	
Scratch Resistant	: 88 x	Crock meter test

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Gloss Level	: 20 - 30 %	Gloss meter
Water Resistant	: Excellent	Karsten test
Solvent Resistant	: Excellent*	
Chemical Resistant	: Excellent*	
Pot Life	: 60 minutes (30°C)	
Temperature Resistant	: -10 to 100°C	

SURFACE PREPARATION

Compressive strength of concrete floor not less than 25 N/mm² in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3°C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning and mechanical cleaning.

APPLICATION PROCEDURE

Function	Product and Tools	Coating amount	Hard Dry
Patching	: Polyfloor mortar PFM-222-3K SF. Mix well comp. A and B using mixer ± 1 minutes. Pour the comp. C while stirring, slowly ± 1 minutes and apply with metal trowel. Mixing ratio comp. A : B : C = 3 : 2 : 35 by weight	22 kg-set /m ² /cm	± 8 hrs (30°C)
Primer Coat	: Mix comp. A Polyfloor PUAS-620-2K WB in low speed mixer. Pour comp. B to comp. A while stirring and mix well ± 2 minutes. Mixing ratio comp. A : B = 4 : 1 by weight. Dilute with 10-15% clean water. Apply with squeegee and epoxy roll	0.25 kg-set/m ² / 100 mic DFT	± 20 hrs (30°C)
Top Coat	: Mix comp. A Polyfloor PUAS-620-2K WB in low speed mixer. Pour comp. B to comp. A while stirring and mix well ± 2 minutes. Mixing ratio comp. A : B = 4 : 1 by weight. Dilute with 10-15% clean water. Apply with squeegee and epoxy roll	0.25 kg-set/m ² / 100 mic DFT	

Top coat can be used in 24 hours for foot traffic and 7 days for vehicular traffic

RECOMMENDED COATING SYSTEM

Preceding coats	: POLYFLOOR series, EPOGREEN series, MULTIPOX series
Subsequent coats	: Polyfloor PUAS-620-2K WB series : Top Seal TS-204-1K WB : Propan UV Floor series

CLEANING

POLYFLOOR PU PUAS-620-2K WB should be removed from tools and equipments with soap water then rinse again with clean water immediately after use. Hardened material can be removed mechanically only.

SAFETY PRECAUTION

This product does not contain aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream. This product is non flammable. For more information, please refer to our safety data sheet

FIRST AID:

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.