

IMPERMIFINISH PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	UNIT SIZE	APPROXIMATE COVERAGE
130017-SC-US	2.7 gal /10.3 L	135 -179 ft ²
130017-SC	(10 kg)	(12.5 -16.7 m ²)

DESCRIPTION

Impermitek's ImpermiFinish is a multi-functional resin that may be used as a smooth clear topcoat or broadcast with colored kiln-dried quartz aggregate as textured surfacing.

ImpermiFinish may be used in conjunction with IR-26 Polymer resin, IR-Eco polymer resin, and ImpermiGrip for stand-alone slip-resistant surfacing applications.

ACCESSORY COMPONENTS

ImpermiFinish requires Impermitek's Catalyst Powder for curing.

CODE	ITEM	SIZE
102031-SC	Catalyst Powder (Pail)	4.4 lbs (2 kg)
102030-SC	Catalyst Powder (Box)	55 lbs (25 kg)

FEATURES

- Fast curing: Within 30-60 minutes
- Hard wearing, U.V. & abrasion resistant
- Excellent chemical resistance

STORAGE

Always store closed containers in a cool, ventilated, and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures of or below 32°F (0°C) or above 77°F (25°C). The approximate maximum shelf life is 12 months when properly stored, sealed, and unmixed.

NOTICE

ImpermiFinish should be applied within ambient temperature of 34°- 95°F (1°- 35°C). The substrate temperature at application should be between 37°- 104°F (3°- 40°C).

Minimum cure and maximum re-coat times should always be followed. When the primer is left exposed to the elements for longer than the recommended period or has been contaminated/damaged beyond cleaning or repair, it must be completely removed and re-applied.

MIXING & APPLICATION

Before applying ImpermiFinish, ensure that surface is clean, dry, and free of debris. Substrates must be prepared correctly in accordance with the relevant application recommendations.

Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for 2 - 5 minutes. Only catalyze the amount of material that can be used within 10-15 minutes. Add the pre-measured catalyst to the resin component and stir for 2 minutes or 4 minutes when temperatures are below 50°F (10°C). Refer to the catalyst information found on this PDS.

After adding catalyst and mixing, apply clear finish to substrate at the required consumption using a squeegee, roller, or brush. The resin should be applied evenly onto the surface using care not to spread too thin or pool in low areas.

SAFETY & HANDLING

Please, refer to the relevant Safety Data Sheet (SDS) prior to handling or use. Use materials in strict accordance with published recommendations. Dispose of waste materials in accordance with local, state, and federal regulations.

TECHNICAL ASSISTANCE

For further information, please contact Impermitek Technical Services at +1 (780) 906-4600 or technical@impermitek.com. More information can also be found at www.impermitek.com.

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APPLICATION QUICK FACTS						
Unit Size gal (L) [Kg]	Unit Coverage ¹ ft ² (m ²)	Ambient Temperature ²	Substrate Temperature ²	Rain Proof & Pot Life ³	Next Layer Minimum ³	Next Layer Maximum ³
2.7 (10.3) [10]	135 - 179 (12.5 - 16.7)	34° - 95°F (1° - 35°C)	37° - 104°F (3° - 40°C)	45 (15) Minutes	45 – 60 Minutes	7 Days

- *Notes:**
1. Coverage is approximate and may be affected by surface-profile.
 2. Ensure all materials and substrates remain above at least 5°F (3°C) above dew point temperature with a maximum 90% relative humidity.
 3. Pot life, rain proof, working, and cure times are approximate and may vary depending on sun exposure, wind, humidity, as well as the ambience, substrate, and resin temperatures at the time of application.

APPROXIMATE COVERAGE RATES BY VOLUME				
Substrate Profile	gal/ft ² (L/ft ²)	ft ² /gal (ft ² /L)	gal/100ft ² (L/m ²)	Thickness (DFT) mils (mm)
Smooth (CSP 3)	0.015 (0.058)	65.8 (17.4)	1.5 (0.62)	24 (0.62)
#0 sand (CSP 4)	0.018 (0.067)	56.6 (14.9)	1.8 (0.72)	28 (0.72)
#1 sand (CSP 5)	0.020 (0.076)	49.6 (13.1)	2.0 (0.82)	32 (0.82)

APPROXIMATE COVERAGE RATES BY WEIGHT				
Substrate Profile	kg/ft ² (kg/m ²)	ft ² /kg (m ² /kg)	kg/100ft ²	Thickness (DFT) mils (mm)
Smooth (CSP 3)	0.056 (0.6)	17.9 (1.67)	5.6	24 (0.62)
#0 sand (CSP 4)	0.065 (0.7)	15.4 (1.43)	6.5	28 (0.72)
#1 sand (CSP 5)	0.074 (0.8)	13.5 (1.25)	7.4	32 (0.82)

PHYSICAL PROPERTIES		
Description	Property	Standard
Color	Clear base resin	-
% Solids	100	ASTM D1644
Density @ 73.4°F (23°C), lb/gal (g/ml)	8.09 (0.97)	ASTM D1475
Viscosity (cps) @ 77°F (25°C) & 60 RPM	63 (370)	ASTM D562 (method A)
Shore A Hardness	96	ASTM D2240
Flash Point °F (°C)	35.6 (2)	ASTM D93
VOC g/L	< 50	EPA Method 24

***Note:** Data represented above are average values unless noted otherwise.

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CATALYST MIXING CHART				
Temperature Range	34 - 50°F (1 - 10°C)	50 - 68°F (10 - 20°C)	68 - 95°F (20 - 35°C)	95 - 104°F (35 - 40°C)
Catalyst Addition Rate	6%	4%	2%	1.5%

Amount of ImpermiFinish	CATALYST SCOOPS REQUIRED (HEAPING 20 ML SCOOP)			
Liters (gal) [kg]				
1.03 (0.27) [1]	6	4	2	1.5
10.3 (2.7) [10]	60	40	20	15

IMPORTANT: The temperature ranges and catalyst addition shown are to be used as a guide. Catalyst levels may be adjusted up or down as required to suit prevailing conditions but should NOT go below the minimum recommended catalyst addition rates. Tested pot life before starting application. In very hot conditions and particularly when performing detailing work, smaller batch mixes are recommended to allow sufficient application time.

Please, refer to Impermitek installation recommendations, application manuals, and guide specifications, for complete information regarding the suitability, application, use, and handling of Impermitek products.