

IMPERMIFLEX PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	UNIT SIZE	APPROXIMATE *COVERAGE
130009-SC-US	2.16 gal /8.17 L (8.5 kg)	135 - 179 ft ² (12.5 - 16.7 m ²)

*Figures are for resin mixed with pigment additive.

DESCRIPTION

Impermitek's ImpermiFlex is a flexible multi-functional resin that may be used as an aesthetic smooth color topcoat or broadcast with kiln-dried quartz aggregate as textured surfacing on roofs. ImpermiFlex may be used in conjunction with Impermitek's IR-26/IR-Eco resins, or for stand-alone slip resistant surfacing applications.

ACCESSORY COMPONENTS

ImpermiFlex requires Impermitek's Catalyst Powder for curing and ImpermiFinish Pigment, unless supplied as a factory pre-pigmented resin by special order.

CODE	ITEM	SIZE
130152-SC*	PMMA Pigment	0.23 gal (0.88 L) [1.5 kg]
102031-SC	Catalyst Powder (Pail)	4.4 lbs (2 kg)
102030-SC	Catalyst Powder (Box)	55 lbs (25 kg)

***Note:** See color chart for pigment color number.

FEATURES

- Fast curing: Within 30-60 minutes
- Hard wearing, U.V., abrasion, and 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.

NOTICES

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 ImpermiFlex, 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, add the entire contents of ImpermiFinish Pigment to the resin and continue mixing for about 5 minutes, until uniform streak-free color is achieved. 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 mixing, apply 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.

APPLICATION QUICK FACTS ⁴						
Unit Size ¹ 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
8.9 (2.4) [2.4]	134 - 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. Unit size is mixed with pigment additive. 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 ambient, substrate, and resin temperatures at the time of application.
 4. Figures shown are for ImpermiFlex resin mixed with one unit of ImpermiFinish Pigment. The resin volume may vary slightly depending on pigment color used.

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)	0.014 (0.05)	70.5 (18.6)	1.4 (0.6)	23 (0.58)
#0 sand (CSP 4)	0.016 (0.06)	60.6 (16.0)	1.6 (0.7)	26 (0.67)
#1 sand (CSP 5)	0.019 (0.07)	53.1 (14.0)	1.9 (0.8)	30 (0.77)

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	23 (0.58)
#0 sand (CSP 4)	0.065 (0.7)	15.4 (1.43)	6.5	26 (0.67)
#1 sand (CSP 5)	0.074 (0.8)	13.4 (1.25)	7.4	30 (0.77)

PHYSICAL PROPERTIES		
Description	Property	Standard
Color	Clear base resin	-
% Solids	100	ASTM D1644
Density @ 73.4°F (23°C), lb/gal (g/ml)	8.7 (1.04)	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.

IMPERMIFLEX
PRODUCT DATA SHEET



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 Mixed with Pigment	CATALYST SCOOPS REQUIRED (HEAPING 20 ML SCOOP)			
Liters (gal) [kg]				
0.25 (0.96) [1]	6	4	2	1.5
2.54 (9.6) [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's installation recommendations, application manuals, and guide specifications for complete information regarding the suitability, application, use, and handling of Impermitek products.