

GENERAL PRIMER PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	UNIT SIZE	APPROXIMATE COVERAGE
155102-SC	2.6 gal (10L)	430-538 ft ² (40-50m ²)

DESCRIPTION

Imperitek's General Primer is a multi-functional primer for use with Imperitek's IR-26 and IR-Eco Systems.

The General Primer is suitable for use on surfaces including asphalt built-up roofing, SBS modified bitumen membranes, mineral surfaced cap sheets, asphalt, coal tar pitch, wood, concrete, masonry, and other substrates subject to adhesion testing.

ACCESSORY COMPONENTS

The General Primer requires Imperitek's Catalyst Powder for curing and Imperitek's General Primer Accelerator for low temperature applications.

CODE	ITEM	PACK SIZE
102031-SC	Catalyst Powder (Pail)	4.4 lb (2 kg)
102030-SC	Catalyst Powder (Box)	55 lb (25 kg)
158103-SC	General Primer Accelerator	0.13 gal (0.5 L)

FEATURES

- Fast curing: Within 30-60 minutes
- Suitable for most roofing substrates

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 60 months when properly stored, sealed, and unmixed.

WARNINGS

Primer is a combustible material and should be kept away from open flames and other possible ignition sources during storage and use.

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.

Adhesion/peel tests should be performed prior to application to ensure adequate bond can be achieved.

MIXING & APPLICATION

The ideal application temperature is within 41°-86°F (5°-30°C). The substrate temperature at application should be between 41°-104°F (5°-40°C). When added with the General Primer Accelerator, the minimum application temperature can be as low as 34°F (1°C).

Before applying the General Primer, 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 two minutes. Only catalyze the amount of material that can be used within 10-15 minutes. Add the pre-measured catalyst to the resin component, stir for two minutes and apply to the substrate. Refer to the catalyst information found on this PDS.

After mixing, apply primer to substrate at the required consumption rate using a roller or brush. It 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.

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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

Unit Size gal (L)	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
2.64 (10)	430 - 538 (40 - 50)	34° - 95°F (1° - 35°C)	34° - 104°F (1° - 40°C)	15 - 30 Minutes	30 - 60 Minutes	7 Days

- *Notes:**
- Coverage is approximate and may be affected by surface-profile.
 - Application temperatures between 34°F (1°C) to 41°F (5°C) require use of Impermitek Low Temp Accelerator.
 - 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

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)	0.0049 (0.0186)	204 (54)	0.49 (0.20)	9 (0.22)
Medium (CSP 4)	0.0055 (0.0209)	183.5 (48.5)	0.55 (0.23)	8 (0.19)
Rough (CSP 5)	0.0061 (0.0232)	163 (43)	0.61 (0.25)	7 (0.17)

PHYSICAL PROPERTIES

Description	Property	Standard
Color	White	-
% Solids	100	ASTM D1644
Density @ 73.4°F (23°C), lb/gal (g/ml)	1.14	-
Viscosity (cps) @ 77°F (25°C) & 60 RPM	900-1000	ASTM D562 (Method A)
Thixotropic Index	4.5 - 5.5	ASTM D2196
Flash Point °F (°C)	70.7 (21.5)	ASTM D93
VOC g/L	<100	EPA Method 24

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

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CATALYST & ACCELERATOR MIXING CHART				
Temperature Range	34-40°F (1-4°C)	41-50°F (5-10°C)	51-63°F (11-17°C)	64-95°F (18-35°C)
Catalyst Addition Rate	4%	4%	3%	2%

Accelerator Additive (1 per can)	Required	Optional	N/A	N/A
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Amount of General Primer gal (L)	CATALYST SCOOPS REQUIRED (HEAPING 20 ML SCOOP)			
0.264 (1)	4	4	3	2
2.64 (10)	40	40	30	20

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.