

IR-26 HIGH TEMP POLYMER RESIN

PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	GRADE	COLOR	UNIT SIZE
162301-SC	High Temp.	IRR White	4 gal (15L)
Approximate Coverage per Unit:		73-95 ft ² (6.8-8.8 m ²)	

DESCRIPTION

Impermitek's IR-26 System is a cold liquid applied membrane fully reinforced with Impermitek TekMat for use in new and recovery roofing and waterproofing applications. The IR-26 System offers high versatility and delivers exceptional performance across a broad range of roofing and waterproofing applications.

ACCESSORY COMPONENTS

The IR-26 resin requires the Impermitek Catalyst Powder for curing. It also requires a low temperature accelerator when applied in low ambient temperatures, and a high temperature inhibitor when applied in high ambient temperatures.

CODE	ITEM	SIZE
102031-SC	Impermitek Catalyst Powder (pail)	4.4 lb (2 kg)
102030-SC	Impermitek Catalyst Powder (box)	55 lb (25 kg)
109205-SC	3L Tub, Lid and 20ml Measuring Scoops	Box of 10
162105-SC	IR-26 Low Temp Accelerator	0.11 gal (0.42 L)

FEATURES

- Flexible polyester resin
- Curing adjusted by grade & additives
- Tough, durable, & UV resistant

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). Approximate maximum shelf life is 12 months when properly stored, sealed, and unmixed.

WARNING

Ensure temperature and surfaces are in accordance with the application guidelines. Minimum cure and maximum re-coat times should always be followed. When IR-26 High Temp resin is left exposed to the elements for extended periods of time or has been contaminated, cleaning or repairing may be required before applying subsequent coats or layers.

MIXING & APPLICATION

Before applying the IR-26 resin, ensure that substrates are prepared and primed correctly in accordance with the relevant application recommendations. Mask off the designated work area.

Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before use. When temperature conditions demand, add accelerator or inhibitor, and thoroughly mix into the resin before adding catalyst. 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 it to the substrate. Refer to the catalyst information found in this PDS.

After mixing, apply the IR-26 resin to substrate with reinforcement at the recommended consumption rate using a roller (or brush, if access is restricted). Ensure an even, uniform application across all surfaces.

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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HIGH TEMPERATURE GRADE 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
4 (15)	73 - 95 (6.8 - 8.8)	41° - 113°F (5° - 45°C)	41° - 104°F (5° - 40°C)	10 - 20 minutes	40 - 60 minutes	7 days

- *Notes:**
1. Includes base & topcoats. Coverage is approximate and may be affected by surface-profile.
 2. Ensure all materials and substrates remain at least 5°F (3°C) above dew point temperature with a maximum 85% 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.

APPROXIMATE COVERAGE RATES (BY VOLUME) WITH TEKMAT 225 REINFORCEMENT					
Substrate Profile	Basecoat* ft ² /gal (ft ² /L)	Topcoat ft ² /gal (ft ² /L)	Basecoat* gal/100ft ² (L/m ²)	Topcoat gal/100ft ² (L/m ²)	Total (DFT) mil (mm)
Smooth (CSP 3)	34 (9)	81.6 (21.5)	2.95 (1.2)	1.23 (0.5)	67 (1.7)
Medium (CSP 4)	29 (8)		3.44 (1.4)		75 (1.9)
Rough (CSP 5)	24 (6)		4.17 (1.7)		87 (2.2)

***Note:** Basecoat must be applied with Impermitek TekMat reinforcement. Approximate coverage rates above reflect application using Impermitek TekMat Field 225 fiberglass mat reinforcement.

APPROXIMATE COVERAGE RATES (BY VOLUME) WITH TEKMAT 450 REINFORCEMENT					
Substrate Profile	Basecoat* Ft ² /Gal (Ft ² /L)	Topcoat Ft ² /Gal (Ft ² /L)	Basecoat* Gal/100ft ² (L/M ²)	Topcoat Gal/100ft ² (L/M ²)	Total (Dft) Mil (Mm)
Smooth (CSP 3)	27.3 (7.2)	81.6 (21.5)	3.68 (1.5)	1.23 (0.5)	79 (2.0)
Medium (CSP 4)	23.9 (6.3)		4.17 (1.7)		87 (2.2)
Rough (CSP 5)	20.5 (5.4)		4.91 (2.0)		99 (2.5)

***Note:** Basecoat must be applied with Impermitek TekMat reinforcement. Approximate coverage rates above reflect application using Impermitek TekMat Field 450 fiberglass mat reinforcement.

HIGH TEMP GRADE RESIN CATALYST & ADDITIVE MIXING CHART				
Temperature Range	41 - 59°F (5 - 15°C)	60 - 68°F (16 - 20°C)	69 - 77°F (21 - 25°C)	78 - 113°F (26 - 45°C)
Catalyst Addition Rate	4%	3%	3%	2%
Additive 1 per can	Accelerator Mandatory	Accelerator Mandatory	N/A	N/A

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Amount of IR-26 Resin gal (L)	NUMBER OF CATALYST SCOOPS REQUIRED (HEAPED 20 ML SCOOP)			
0.26 (1)	4	3	3	2
1.32 (5)	20	15	15	10
2.64 (10)	40	30	30	20
4 (15)	60	45	45	30

IMPERMITEK IR-26 RESIN Standard Colors		
Code	Color Name & RAL No.	Color Swatch
162301-SC	IR-26 High Temp Grade IRR White – RAL 9016	

* **Note:** When ordering colors, please indicate the appropriate color code and RAL color number. Slight variations in color or shade between actual colors and those shown here are possible due to individual monitor settings when viewed online or the nature of printing technology used. Custom colors can be produced to order subject to minimum quantities and special pricing. IMPERMITEK colors are UV stabilized, however no warranty is offered or implied for color fastness, color matching, or texture.

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