IR-26 POLYMER RESIN
PRODUCT DATA SHEET

IMPERMITEK
Advanced Seamless Technologies

PRODUCT & APPLICATION TOOLS

PRODUCT CODE	GRADE	COLOR	UNIT SIZE
162204-SC	Standard	Light Gray	4 gal (15 L)
162303-SC	Standard	IRR White	
Approximate Coverage Per Can:		73 – 95 ft² (6.8 – 8.8 m²)	

DESCRIPTION

Impermitek's IR-26 Polymer Resin is a cold liquid applied membrane fully reinforced with Impermitek's TekMat. The IR-26 System offers the versatility of a liquid applied membrane with exceptional performance across a broad range of new or recovering roofing and waterproofing applications.

Impermitek's IR-26 resin is available in Standard Grade or High Temp Grade for optimum application over a broad temperature range.

ACCESSORY COMPONENTS

The IR-26 resin requires Impermitek's Catalyst Powder for curing and it may require the low temperature accelerator or the high temperature inhibitor for low and high temperature applications respectively.

CODE	ITEM	PACK SIZE
102031-SC	Catalyst Powder (Pail)	4.4 lb (2 kg)
102030-SC	Catalyst Powder (Box)	55 lb (25 kg)
162105-SC	IR-26 Low Temp. Accelerator	0.11 gal (0.42 L)
162205-SC	IR-26 High Temp. Inhibitor	0.06 gal (0.22 L)

FEATURES

- Flexible polyester resin
- Curing adjusted by grade & additives
- Tough, durable, and 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 at 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.

WARNINGS

Ensure temperature and surfaces are within the application temperature guidelines. Minimum cure and maximum re-coat times should always be followed. When Impermitek's IR-26 is left exposed to the elements for extended periods or has been contaminated, cleaning or repair may be required before applying subsequent coats or layers.

MIXING & APPLICATION

Before applying the IR-26 system, ensure that substrates are prepared and primed correctly in accordance with the relevant application guidelines. 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. Where temperature conditions require, 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 and stir for two minutes and apply to the substrate. Refer to the catalyst information found on this PDS.

After mixing, apply ImpermiGrip Low-Traffic to substrate at the recommended consumption using a roller, notched rake, or brush. 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 guidelines. Dispose of waste materials in accordance with local, state and federal regulations.

IR-26 POLYMER RESIN
PRODUCT DATA SHEET

IMPERMITEK
Advanced Seamless Technologies

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**.

STANDARD GRADE APPLICATION QUICK FACTS						
Unit Size gal (L) [kg]	**Unit Coverage[1] ft² (m²)**	**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)	34° - 95°F (1° - 35°C)	34° - 104°F (1° - 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 above 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 ambience, substrate, and resin temperatures at the time of application.*

APPROXIMATE COVERAGE RATES BY VOLUME WITH TEKMAT 225 REINFORCEMENT					
Substrate Profile	**Basecoat* ft²/gal (ft²/L)**	**Topcoat ft²/gal (ft²/L)**	**Basecoat* gal/100ft² (L/m²)**	**Topcoat gal/100ft² (L/m²)**	**Membrane** 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)

***Notes:**

* *Basecoat must be applied with Impermitek's TekMat reinforcement. Approximate coverage rates above reflect application using TekMat 225 Fiberglass reinforcement.*

** *Theoretical membrane thickness calculated using combined fiberglass CSM and resin volumes.*

APPROXIMATE COVERAGE RATES BY VOLUME WITH TEKMAT 450 REINFORCEMENT					
Substrate Profile	**Basecoat* ft²/gal (ft²/L)**	**Topcoat ft²/gal (ft²/L)**	**Basecoat* gal/100ft² (L/m²)**	**Topcoat gal/100ft² (L/m²)**	**Membrane** 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)

***Notes:**

* *Basecoat must be applied with Impermitek's TekMat reinforcement. Approximate coverage rates above reflect application using TekMat 450 Fiberglass reinforcement.*

** *Theoretical membrane thickness calculated using combined fiberglass CSM and resin volumes*

IR-26 POLYMER RESIN
PRODUCT DATA SHEET

IMPERMITEK
Advanced Seamless Technologies

STANDARD GRADE RESIN CATALYST & ADDITIVE MIXING CHART							
TEMPERATURE RANGE	**34 - 40°F** (1 - 4°C)	**41 - 49°F** (5 - 9°C)	**50 - 58°F** (10 - 14°C)	**59 - 67°F** (15 - 19°C)	**68 - 76°F** (20 - 24°C)	**77 - 85°F** (25 - 29°C)	**86 - 95°F** (30 - 35°C)
CATALYST ADDITION RATE	**4%**	**4%**	**3%**	**3%**	**2%**	**2%**	**2%**

ADDITIVE (1 per 15L can)	**ACCELERATOR REQUIRED**	**Accelerator Recommended**	**N/A**	**N/A**	**N/A**	**Inhibitor Recommended**	**INHIBITOR REQUIRED**

AMOUNT OF IR-26 RESIN Gal (L)	**NUMBER OF CATALYST SCOOPS REQUIRED (Heaped 20 ml Scoop)**						
0.26 (1)	4	4	3	3	2	2	2
1.32 (5)	20	20	15	15	10	10	10
2.64 (10)	40	40	30	30	20	20	20
4 (15)	60	60	45	45	30	30	30

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. Test 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.*

IR-26 PHYSICAL PROPERTIES			
PROPERTY	**VALUE**		**TEST METHOD**
Technology	Polyester		-
Color	White / Light Gray		-
Membrane Thickness (mils)	+/-83		ASTM D5147
	MD	**XMD**	
Peak Load, 73°F (23°C) control, lbf/in (kN/m)	188 (32.9)	205 (35.9)	ASTM D5147
Elongation, 73°F (23°C) control, %	36	31	ASTM D5147
Peak Load, 73°F (23°C) post heat aging, lbf/in (kN/m)	186 (32.6)	127 (22.2)	ASTM D5147
Elongation, 73°F (23°C) post heat aging, %	23	22	ASTM D5147
Peak Load, 73°F (23°C) post acc. weathering, lbf/in (kN/m)	144 (25.2)	116 (20.3)	ASTM D5147
Elongation, 73°F (23°C) post acc. weathering, %	28	25	ASTM D5147
Peak Load, 0°F (-18°C) control, lbf/in (kN/m)	230 (40.3)	360 (63)	ASTM D5147
Elongation, 0°F (-18°C) control, %	2	3	ASTM D5147
Peak Load, 0°F (-18°C) post heat aging, lbf/in (kN/m)	280 (49)	245 (42.9)	ASTM D5147
Elongation, 0°F (-18°C) post heat aging, %	1	1	ASTM D5147
Peak Load, 0°F (-18°C) post acc. weathering, lbf/in (kN/m)	136 (23.8)	109 (19.1)	ASTM D5147
Elongation, 0°F (-18°C) post acc. weather, %	1	1	ASTM D5147

Revised 10-10-2025

IR-26 POLYMER RESIN
PRODUCT DATA SHEET

IMPERMITEK
Advanced Seamless Technologies

PROPERTY	VALUE		TEST METHOD
	MD	XMD	
Tear resistance, lbf (N)	405	397	ASTM D5147, Sec. 7
Dimensional stability, %	0	0	ASTM D5147, Sec. 10
Static puncture resistance, lbf (N)	≥ 56 (249.1)		ASTM D5602
Shore A hardness, durometer units	83		ASTM D2240
Water Absorption, (2h @ 212°F (100°C), %	1		ASTM D570
Peel adhesion, post water immersion, pli Concrete Plywood	 5 12		ASTM C957
Water vapor permeance, perms	0.10		ASTM E96 (dry cup)
Low temperature deflection, °F (°C) pass	15 (-9.4)	15 (-9.4)	ASTM D7264
Self-Ignition, °F (°C)	833 (445)		ASTM D1929
Smoke Density, index	250		ASTM E84
Rate of Burning, in/min (m/hr)	0.8 (1.2)		ASTM D635
Shelf Life, months	12		-
VOC content, g/L	≤ 50		EPA Method 24

***Note:** Data is represented by average values unless noted otherwise.*

IMPERMITEK IR-26 RESIN STANDARD COLORS		
Code	**Color Name & RAL No.**	**Color Swatch**
162204-SC	Light Gray – RAL 7032	
162303-SC	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.*

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.