PMMA Flashing Resin – Winter Grade

Technical Data Sheet

BASIC USES & ADVANTAGES

United Coatings™ PMMA Flashing Resin – Winter Grade is designed to reinforce areas of BUR and SBS substrates that are heavily alligatored or contain numerous cracks, seams, joints, or splits.

NOTE: United Coatings™ PMMA Flashing Resin is available in **Summer** and **Winter Grades**. Care should be taken to ensure that the correct formulation is used for the application based upon the ambient temperature.

Advantages:

- Ideal for repairing penetrations, curbs, and seams
- Good for smoothing and repairing heavy "alligatored" asphalt
- Used in conjunction with **United Coatings™ PMMA Fleece**
- **Winter Grade** formula can be applied at lower temperatures

PRODUCT DESCRIPTION

United Coatings™ PMMA Flashing Resin – Winter Grade is a high-performance, multicomponent flexible PMMA resin for use in the **PMMA Flashing System. PMMA Flashing Resin – Winter Grade,** when mixed with **United Coatings™ PMMA Catalyst**, is combined with **United Coatings™ PMMA Fleece** to form a monolithic reinforced flashing membrane.

PACKAGING & SHELF LIFE

10 kg (22 lb.) resealable drums with locking rings.

Shelf life 12 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 32°F – 77°F (0°C – 25°C). Storage for continued periods outside this temperature range may shorten shelf life. Keep containers covered when not in use. **DO NOT** allow resin to freeze.

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GAF Liquid-Applied

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PHYSICAL PROPERTIES

UNITED COATINGS™ PMMA FLASHING RESIN – WINTER GRADE	
Solids by Volume	58% (±2) [ASTM D5201]
Tensile Strength	325 psi (2.24 MPa) (±25) [ASTM D412]
Elongation	200% (±25) [ASTM D412]
VOC	<25 g/L

Application Temperature (Air)	23°F – 68°F (-5°C – 20°C)
Application Temperature (Surface)	23°F – 77°F (-5°C – 25°C)
Colors	White

APPLICATION INSTRUCTIONS

Substrate Preparation: Roof must have positive drainage with no moisture trapped in the roof assemblies. Clean applicable area with **United Coatings™ PMMA Cleaner.** Roof substrate must be clean, completely dry, and free from any foreign matter. Check for any damaged roof membranes, including all flashings and penetrations, and repair before coating application commences. See gaf.com for more information.

Mixing: United Coatings™ PMMA Flashing Resin – Winter Grade is a two-part system which must be mixed with **United Coatings™ PMMA Catalyst**. If batch mixing, thoroughly mix the entire drum of resin for 2 to 3 minutes prior to pouring resin into a second container. Catalyze only the amount of resin that can be used within the anticipated pot life. Add premeasured catalyst to the resin, stir for 2 minutes using a slow-speed mechanical agitator or mixing stick, and apply to the substrate. The amount of catalyst needed is based on the weight of the resin used, and varies with the ambient temperature as shown in the chart below. Pot life is approximately 15 minutes at 68°F (20°C). Pot life will be reduced if the resin is at higher temperatures. Pot life can be maximized by storing product under controlled conditions and ensuring that the resin is at the lower end of storage temperature range during/following the addition of catalyst and prior to application.

Application: United Coatings™ PMMA Flashing Resin – Winter Grade may be applied by brush or roller. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. For smooth substrates, apply at a rate of 0.19 kg/sq. ft. (2.0 kg/m²) for base coat and 0.12 kg/sq. ft. (1.3 kg/m²) for top coat. For granulated substrates, apply at a rate of 0.28 kg/sq. ft (3.0 kg/m²) for base coat and 0.12 kg/sq. ft. (1.3 kg/m²) for top coat. A minimum of 2 coats should be applied and reinforced with fabric. Total coverage should be 0.31 kg/sq. ft. (3.3 kg/m²) for smooth and 0.40 kg/sq. ft. (4.3 kg/m²) for granulated and is dependent on the substrate. See gaf.com for details.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

continued on next page

MIXING CHART

United Coatings™ PMMA Flashing Resin – Winter Grade Mixing Chart												
The amount of **United Coatings™ PMMA Catalyst** used with **United Coatings™ PMMA Flashing Resin – Winter Grade** varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following chart:												
Resin Quantity	2% Catalyst 68°F to 104°F (20°C to 40°C)				4% Catalyst 59°F to 68°F (15°C to 20°C)				6% Catalyst 23°F to 41°F (-5°C to 5°C)			
	g	kg	Tbsp.	0.1 kg Bag	g	kg	Tbsp.	0.1 kg Bag	g	kg	Tbsp.	0.1 kg Bag
1.0 kg (0.72 liter)	20	.02	2	n/a	40	.04	4	n/a	60	.06	6	n/a
5.0 kg (3.6 liter)	100	0.1	10	1	200	0.2	20	2	300	.3	30	3
10.0 kg (7.2 liter)	200	0.2	20	2	400	0.4	40	4	600	0.6	60	6
Substrate temperature range for application of **United Coatings™ PMMA Flashing Resin – Winter Grade** is 23°F to 77°F (-5°C to 25°C).												

LIMITATIONS & PRECAUTIONS

IMPORTANT: Repair leaks promptly to avoid adverse effects, including mold growth.

- Do **NOT** apply on wet substrates.
- Do **NOT** heat container.
- Do **NOT** attempt to thin product.
- Do **NOT** apply if rain, dew, fog, heavy moisture condensation, or freezing temperatures are in the 24-hour forecast.

SAFETY & HANDLING

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

CLEANUP

When work is interrupted or completed, reusable tools must be thoroughly cleaned with **United Coatings™ PMMA Cleaner** before any catalyzed resin on the tools hardens. If resin has hardened, use mechanical methods.

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