



Wecryl R 230

Winter Grade

Also known as **ALT R230 Resin (Winter Grade)**

Please refer to **Wecryl R 230 (Standard Grade)** product data sheet for warm weather applications

Product No. 136-910-010U - White [RAL 9010]

Product No. 136-732-010U - Pebble Grey [RAL 7032]

PRODUCT DESCRIPTION

Wecryl R 230 is a two-component, rapid-curing, polymethyl methacrylate (PMMA) resin used in liquid-applied roofing and waterproofing membranes. It is formulated for application in colder temperatures. Resin is catalyst-activated and combined with fleece reinforcement to form a monolithic, self-terminating adhered membrane for new construction, refurbishment, recovery roofing, and waterproofing applications.

SUBSTRATE PREPARATION

All substrates must be clean, dry, and free of any condition that may be detrimental to adhesion of resin to the substrate. Refer to WestWood's **Substrate Preparation Guide** for specific recommendations and requirements.

MIXING AND CATALYZING

Using a low-speed (200-400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before catalyzing. If batch mixing, pour off into another container. Only catalyze the amount of material that can be used within 10-15 minutes. Add proper amount of catalyst (determined by resin weight and ambient temperature - refer to information at right) to resin and stir for two minutes.

APPLICATION

Apply catalyzed resin to surface at a rate of 0.14 to 0.31 kg/ft² (1.5 to 3.3 kg/m²) using approved rollers, brushes or notched squeegees.

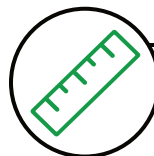
Roll fleece reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to work the resin into the fleece, saturating from the bottom up. The fleece should darken in appearance, with no visible white spots (white spots are indications of unsaturated fleece or lack of adhesion). When required, peel back fleece and apply additional resin onto the substrate, then slowly roll the fleece back into the resin, using care to remove any air pockets. It is important to correct these faults before the resin cures, or additional repairs may be required later.

Apply an even coat of resin over top of the installed fleece at a rate of 0.09 kg/ft² (1.0 kg/m²) using approved rollers. Use caution not to spread resin too thin.

PRODUCT PACKAGING QUANTITY

**25 KG** resealable can

COVERAGE RATES [per 25-kg quantity]



Typical substrate [CSP 3-4]

98 ft²0.26 kg/ft² (2.8 kg/m²)

Granulated surface [CSP 5]

84 ft²0.30 kg/ft² (3.2 kg/m²)

Rough surface [CSP 6+]

< 76 ft²0.33 kg/ft² (3.6 kg/m²)

WORKING TIMES [at 68°F (20°C)]¹



Pot life

20
minutes

Rainproof

30
minutes

Next application

60
minutes

CATALYST QUANTITIES [per 1 kg of resin]



23-37°F (-5-3°C)

6SCOOPS²

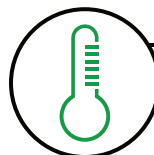
37-50°F (3-10°C)

4SCOOPS²

50-68°F (10-20°C)

2SCOOPS²

APPLICATION TEMPERATURES



AMBIENT TEMP.

23-68°F
(-5-20°C)SUBSTRATE TEMP.³**23-68°F**
(-5-20°C)

PRODUCT TEMP.

50-86°F
(10-30°C)

TESTING & APPROVALS



1. Times noted are approximate and are provided as a guideline. Actual set times and cure times should be established based on location and actual field conditions.

2. A scoop is defined as a level quantity in a 0.01 kg scooping spoon provided by WestWood.

3. Substrate temperature must be at least 5°F above the dew point during application and curing.

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STORAGE

Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Approximate shelf life is 12 months from date of shipment when properly stored, sealed, and unmixed.

HANDLING

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product's Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

DISPOSAL

Catalyzed and cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state, and federal regulations.

PERSONAL PROTECTIVE EQUIPMENT

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product, workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below Threshold Limit Values (TLV). If the airborne concentration poses a health hazard, become irritating, or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

PHYSICAL & MECHANICAL PROPERTIES

Physical Property (as installed)	ASTM Test	Value
Peak Load @ 73°F, lbf/in	D5147	MD: 68 XMD: 60
Elongation @ 73.4°F (23°C), %	D5147	MD: 46 XMD: 74
Peak load @ 0°F (-18°C), lbf/in	D5147	MD: 115 XMD: 130
Elongation @ 0°F (-18°C), %	D5147	MD: 36 XMD: 54
Ultimate Elongation, %	D5147	MD: 50 XMD: 80
Tear Strength, lbf	D5147	MD: 69 XMD: 75
Water Vapor Permeance, perms	E96	0.2
Low Temperature Flexibility	D7264	Pass
Dimensional Stability, %	D5147	0.09
Water Absorption, (Method I) (24h @ 73°F [23°C]); %	D570	0.4
Shore A Hardness, durometer	D2240	74
Solar Reflectance	See note below	0.71
Thermal Emittance	See note below	0.90
Solar Reflectance Index	See note below	87

NOTE: As published by the Cool Roof Rating Council (CRRC) for Solar Reflectance, Thermal Emittance, and Solar Reflectance Index (SRI) values. Product has been tested and evaluated in accordance with ASTM C1549, ASTM C1371, ASTM E1980, ASTM D7897, and the CRRC-1 Product Rating Program Manual.