



Flexible Hybrid Polymer Roofing System

One system. One standard. One solution.

P1 RESIN TECHNICAL DATA SHEET

Product & Application Tools



Product Name	Colour	Unit Size	Approximate Coverage
UPE 250 Resin	Light Grey	15L	10 - 15 m ²

Description

The P1 Resin System is a cold liquid applied membrane fully reinforced with EB 225 CSM reinforcement for use in new and recovery roofing and waterproofing applications. The P1 Resin System offers the versatility of a liquid applied membrane with exceptional performance across a broad range of roofing and waterproofing applications.

Accessory Components

P1 Resin requires Powder Catalyst for curing and optional Low Temperature Accelerator and High Temperature Inhibitor for low and high temperature applications respectively.

Code	Item	Pack Size
102003	Powder Catalyst	1kg
162303	P1 Accelerator	79.4kg
162205	P1 High Temp Inhibitor	210g

Storage Recommendations

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 0°C or above 25°C. Approximate maximum shelf life is 12 months when properly stored, sealed, and unmixed.

Limitations

Ensure temperature and surfaces are within the application temperature guidelines. Recommended minimum cure and maximum re-coat times should always be followed. When the P1 Resin System 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 P1 Resin, ensure that substrates are prepared and primed correctly in accordance with the relevant application recommendations.

Mask off the designated work area. In very hot conditions and particularly when carrying out detailing work, it is recommended that smaller mixes are considered to allow sufficient time to apply. Please note never to go below the minimum recommended catalyst addition rates.

Stir the P1 Resin thoroughly in the original container, mixing from top to bottom, for two minutes before use. Powder Catalyst is added to resin in the form of level scoops using the scoop provided. Refer to the catalyst information found on this TDS. After mixing, apply P1 Resin to substrate at the required coverage rate with reinforcement at the recommended consumption 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 regulations.

Technical Assistance

For further information, please contact P1. More information can also be found at www.p1systems.co.uk.



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Application Quick Facts

Unit Size L	Unit Coverage ¹ m ²	Ambient Temperature ²	Substrate Temperature ²	Rain Proof & Pot Life ³	Next Layer Minimum ³	Next Layer Maximum ³
15	10 - 15	1° - 30°C	1° - 40°C	10 - 20 minutes	40 - 60 minutes	7 days

Notes: ¹ Includes base & top coats. Coverage is approximate and may be affected by surface-profile.

² Ensure all materials and substrates remain above at least 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 time of application.

Approximate Coverage Rates (by volume)

Substrate Profile	Basecoat* L/m ²	Topcoat L/m ²
Smooth	0.9 - 1.2	0.5
Rough	1.2 - 1.7	0.5

*Note: Basecoat must be applied with EB CSM reinforcement. Approximate coverage rates above reflect application using EB 225 CSM fibreglass mat reinforcement.

Physical Properties

Description	Property
Colour	Grey
Density	1.3845 - 1.455
Viscosity (cps) @ 25°C & 60 RPM	1000
Flash Point °C	32

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

Catalyst & Additive Mixing Chart

Temperature Range	1 - 4°C	5 - 9°C	10 - 19°C	20 - 24°C	25 - 30°C
Catalyst Addition Rate	4%	4%	3%	2%	2%
Additive	Accelerator Mandatory	Accelerator Optional	N/A	N/A	Inhibitor Optional
Amount of UPE 250 Resin Liters	Number of Catalyst Scoops				
1	4	4	3	2	2
5	20	20	15	10	10
10	40	40	30	20	20
15	60	60	45	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 suite 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.