



Flexible Hybrid Polymer Roofing System

One system. One standard. One solution.

STEPGRIP RESIN PRODUCT DATA SHEET

Product & Application Tools



Item	Unit Size
STEPGRIP	10kg
Approximate Coverage per can	5.8 - 10m ²

Description

STEPGRIP is a catalyst-cured, high-performance, single-coat surfacing solution designed to deliver rapid installation and long-lasting slip resistance. Ideal for uses such as walkways and access areas, it cures quickly to form a durable, textured finish that improves safety in wet or exposed conditions. Available in a wide range of vibrant colours, STEPGRIP combines visual impact with functional performance for pedestrian surfacing applications.

Accessory Components

Item	Pack Size
Powder Catalyst	1kg

Features

- Simple application ensures an even, slip-resistant finish
- Good slip resistance providing enhanced safety
- Tough and durable with a long service life
- Catalyst controlled, rapid curing, typically 30-40 minutes
- Non-toxic binder system
- Fast and easy to apply
- Highly resistant to discolouration

Storage Recommendations

STEPGRIP is supplied in pre-weighed 10kg (6.25Ltr) pails. The catalyst is supplied separately. Dosage varies according to both substrate and material temperature. STEPGRIP should be kept totally dry and stored away from direct sunlight and potential contamination. The binder must be stored away from any catalyst. Stable for at least 12 months when stored in a cool, dry place. Long periods of overheating may lead to gelling of the material.

Colours

STEPGRIP is available in a wide range of colours. Standard colours are shown below. Other colours are available on request.

Daffodil Yellow RAL 1007



Traffic Red RAL 3020



Sky Blue RAL 5015



Yellow Green RAL 6018



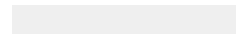
Anthracite Grey RAL 7016



Window Grey RAL 7040



Traffic White RAL 9016



Traffic Black RAL 9017



NB: Colours shown are indicative only. Appearance on site may vary depending on application conditions and installation techniques.

Mixing & Application

Application Method

STEPGRIP can be applied over the P1 UPE 500 / 250 membrane to create a textured slip-resistant surface. STEPGRIP can also be applied to concrete with the use of P1 Universal Primer. STEPGRIP requires powder catalyst to enable curing of the system.

Consumption Rates

STEPGRIP is applied at 0.6 - 1.1 ltr/m² (1.0 - 1.7 kg/m²) depending on surface roughness. Rough or porous surfaces reduce coverage and may need more material. Higher consumption rates give a rougher finish, while lower rates give a smoother finish.

IMPORTANT: Catalyst rates for STEPGRIP are based on weight (kg), not volume (litre).

STEPGRIP requires powder catalyst at a minimum of 0.5% and a maximum of 2.5%, depending on temperature, to achieve a dry time of 20-40 minutes. The catalyst table provides recommended addition rates for different STEPGRIP quantities and temperature ranges.



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Mixing & Application *(continued)*

The catalyst is added to the liquid in the form of level scoops using the scoop provided.

IMPORTANT: Use the temperature ranges as a guide for catalyst amounts. Always test pot life with a test mix at the suggested catalyst level before starting. Adjust as needed for the desired pot life. Do not catalyse more than 10kg at a time. For large areas, decant resin into manageable quantities and monitor pot life.

Conditions: The substrate, air and material temperature must be a minimum of 1°C and rising. Do not apply if the air temperature is above 30°C or the substrate temperature is above 40°C.

Application: Mask off the designated area. Stir STEPGRIP thoroughly in the original container, mixing from top to bottom. Pour the calculated amount into a calibrated bucket or suitable container on weighing scales, then replace the lid to prevent contamination or unnecessary losses to atmosphere. Do not attempt to mix more than 6.25 litres (10kg) at one time; during hot summer months this should be considerably reduced.

Application

Add the required number of level powder catalyst scoops to the decanted STEPGRIP. Thoroughly stir until the catalyst is fully dissolved into the resin for a minimum of 2 minutes. Once stirred in, apply using a solvent-resistant roller, or a brush where access is restricted, at the required coverage rate. Ensure an even, uniform application across all surfaces. Touch in any suspect areas where necessary. Remove masking tape and ensure STEPGRIP is fully cured before subjecting it to disturbance or traffic.

Optional PS 75 Deco Clear Coat: For areas with regular foot traffic, or requiring a hardwearing, easy-to-clean surface, apply a clear PS 75 Deco Coat over STEPGRIP as a protective sealer. For more information, please contact P1 Technical.

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 p1systems.co.uk.



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Application Quick Facts						
Unit Size Kg (L)	Unit Coverage ¹ m ²	Ambient Temperature ²	Substrate Temperature ²	Rain Proof & Pot Life ³	Next Layer ³ Minimum	Next Layer ³ Maximum
10 (6.3)	5.8 - 10	1 - 40°C	1 - 40°C	10 - 20 minutes	40 - 60 minutes	7 days
Notes: 1. Coverage is approximate and may be affected by surface profile. 2. Ensure all materials and substrates remain 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, and the ambient, substrate and resin temperatures at application.						

Catalyst Mixing Chart					
Temperature Range	1-4°C	5-14°C	15-19°C	20-24°C	25-30°C
Catalyst Addition Rate	2.5%	2%	1.5%	1%	0.5%
Amount of STEPGRIP (kg)	Number of Catalyst Scoops				
1	2.5	2	1.5	1	0.5
2	5	4	3	2	1
3	7.5	6	4.5	3	1.5
4	10	8	6	4	2
5	12.5	10	7.5	5	2.5
6	15	12	9	6	3
7	17.5	14	10.5	7	3.5
8	20	16	12	8	4
9	22.5	18	13.5	9	4.5
10 (Full Tin)	25	20	15	10	5
IMPORTANT: Temperature ranges and catalyst additions are a guide. Catalyst levels may be adjusted to suit prevailing conditions but must not go below the minimum recommended rates. Test pot life before application. In very hot conditions, particularly for detailing work, use smaller batch mixes to allow sufficient application time.					

Physical Properties	
Property	Value
Colour	See Colour Chart
Viscosity (cps) @ 25°C	3 - 8000 mPa.s
Density @ 20°C, g/cm ³	1.60
Flash Point (°C)	35
Note: Data represented above are average values unless noted otherwise.	