

GELSEAL

PRODUCT CODE: WGS 1-5

TECHNICAL DATA SHEET NO: PL-101-A

DATE: NOVEMBER 2012

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	PLASCON GELSEAL is an easy to use and economical acrylic sealer designed for use with an external membrane to seal and bridge cracks and leaks on roofs.													
Intended uses	PLASCON GELSEAL is a waterproofing coating for roofs and external concrete and cement plastered or bagged walls. Designed for use with either a polyester membrane or glass-fibre tissue to: <ul style="list-style-type: none"> • Bridge cracks and stop leaks on parapets, flashings, roofs and cracked walls. • Seal nail heads 													
Features & Benefits	<ul style="list-style-type: none"> • Lower water absorption when compared to a normal acrylic coating. • Very good water resistance • Very good UV-resistance • Gel structure for easy application and film build • Low VOC 													
Product Information	Appearance Colours Solids Viscosity S G Flash Point Calculated max VOC Theoretical spreading rate Practical spreading rate	Low sheen Black (WGS 1), Grey (WGS 2), Red (WGS 3), White (WGS 4), Green (WGS 5), Approx. 22 % by mass (typical); 18 % by volume Gel consistency 1,10 kg/ℓ (typical) Non-flammable < 16g/ℓ With membrane: 2 m ² /ℓ The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used												
Application Details	Mixing Method Substrate Thinning Cleaning Application Environment Drying time	Ready for use by brush or roller. Stirring is not recommended as it will break down the gel structure. If stirring is required, allow 8 hours for recovery of the gel structure. Brush & roller Thoroughly cleaned fibre-cement roof cladding, clay or cement roof tiles, suitably primed galvanised iron and cement plaster. Not recommended. Water <table border="1"> <tr> <td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr> <tr> <td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10 %</td></tr> <tr> <td colspan="3">or 2 °C min. above dew point</td></tr> <tr> <td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 85 %</td></tr> </table> Touch dry 1 h at 23 °C Overcoating 2 h at 23 °C Dry to handle 4 h at 23 °C	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	or 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
Surface Temperature	Ambient Temperature	Relative Humidity												
Min: 10 °C	Min: 10 °C	Min: 10 %												
or 2 °C min. above dew point														
Max: 40 °C	Max: 40 °C	Max: 85 %												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 1 ℓ and 5 ℓ													

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Surface Preparation	<p>Ensure that surfaces are dry, free from dirt, grease and oil and loose and flaking paint. Remove any fungi and algae with household bleach (3,5% sodium hypochlorite solution) and rinse thoroughly with water.</p> <ol style="list-style-type: none"> POROUS CEMENT PLASTER, CONCRETE, FIBRE-CEMENT AND OTHER MASONRY SURFACES: Open any cracks (other than hairline cracks) into a V-shape and remove dust. Apply one coat of PLASCON PLASTER PRIMER (UC 56). Fill cracks and other defects with POLYFILLA MENDALL 90. CEMENT ROOF TILES: Remove loose and flaking material back to a sound substrate. No further priming necessary. NEW OR WEATHERED GALVANISED IRON: Clean with METALCARE GALVANISED IRON CLEANER (GIC 1) and rinse thoroughly with water to achieve a water break-free surface. Remove any red rust with scouring pads or sanding back to bright metal. Spot prime areas where rust has been removed with METALCARE METAL WATERBASED PRIMER (MWP 1). Prime the entire surface with METALCARE GALVANISED IRON PRIMER (GIP 1). MILD STEEL: Degrease with AQUASOLV DEGREASER (GR 1) and rinse thoroughly with water. Remove any rust by coarse sanding, mechanical grinding or with REMOVAL RUST REMOVER & CONCRETE ETCHER (RCC 120). Prime surfaces with METALCARE MILD STEEL PRIMER (UC 501). N.B: Mill scale must be removed by abrasive blasting or mechanical grinding before coating. PREVIOUSLY PAINTED SURFACES IN GOOD CONDITION Remove any loose and flaking paint, clean and spot prime bare areas with the appropriate primer. Clean paintwork with POLYCELL SUGAR SOAP solution and rinse thoroughly. Alternatively, clean with high pressure water jet. Sand glossy painted areas to a matt finish.
Application	<ul style="list-style-type: none"> To all primed and sealed surfaces apply a full coat of PLASCON GELSEAL unthinned at approximately 2 m²/ℓ. Immediately embed the polyester membrane into the wet coating ensuring that the membrane is thoroughly saturated by the coating. Before this coat is completely dry apply a further coat of PLASCON GELSEAL to completely cover the membrane. Allow to dry and finish with a final coat of PLASCON GELSEAL. If the membrane is still not completely covered, apply another finishing coat.
Caution	<ul style="list-style-type: none"> NOT suitable to seal concrete dams or ponds or where exposed to continuous immersion in water.
Safety Precautions	<ul style="list-style-type: none"> Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. Harmful if swallowed. Do not induce vomiting. Seek medical attention. Refer to Material Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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