

LEAKSEAL® UMBRELLA Plastic

EXTERIOR

WATER BASED

1K

Description:

A one component, water based, pure acrylic, high solids, weather & UV resistant, tough & durable elastic waterproofing coating.

Intended Uses:

LEAKSEAL® UMBRELLA Plastic is a high-performance, liquid-applied waterproofing coating formulated for pitched and flat roofing systems. It provides a tough, durable, and UV-resistant finish that resists cracking and weathering. Once cured the product has a low sheen finish that offers excellent low dirt pickup resistance, long-lasting colour retention and is suitable for foot traffic

This product can also be used as a waterproofing system below tiles & screeds in showers, on balconies or terraces. It can be used as an elastic wall coating with excellent crack bridging properties and is suitable for gutter waterproofing.

Features & Benefits:

- Excellent weather resistance.
- Resistant to impact damage & foot traffic.
- Provides a seamless finish.
- Tough & durable.
- Very high dirt pickup resistance.
- Excellent UV resistance.
- High elasticity

Technical Data:

Product Physical Form	Liquid
Binder Type	Pure acrylic
Colour	White & RAL colours
Appearance	Smooth low sheen
Volume Solids	50 ± 2% (Depending on colour)
Density (Kg/ Lt @ 23°C)	1.3 ± 0.05
Diluent	Product comes ready for use
PH	9 ± 0.5
Recommended WFT	600 – 800µm per coat
Recommended DFT	300 – 400µm per coat
Spreading Rate	1.2 – 1.6 m ² / Litre per coat
Number of Coats	2 - 4
Viscosity KU	Approx. 140 ± 10 KU
Method of Application	Airless spray, brush or roller
Pack Size	5 & 20 Litre
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C
Shelf Life	12 months when stored as recommended in original un-opened containers

WATERPROOFING: LIQUID WATERPROOFING

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Important Information:

- Always consider a test patch to check suitability & adhesion.
- Always consult with technical department if unsure.
- When painting, to ensure colour consistency, it is important that all product used on the project share the same batch number.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection & verification of the performance and use of the coating.
- Always check weather forecast before painting. Do not paint if rain fall is imminent as it will negatively affect the ability of the product to cure and bond to the surface.
- During the winter months, do not paint in the early hours of the morning when it's cold & frost or dew may be present. This will negatively affect the products ability to cure & bond to the surface.
- During the summer months, do not paint in the middle of the afternoon when surface temperatures are above 45°C. This will negatively affect the products ability to cure & bond to the surface.
- Do not use this product directly on bitumen waterproofing systems. (Surface must first be primed using Bituminous & Porous Sealer Primer)
- This product is not recommended for immersion conditions/tanking.
- This product is suitable for applications where mild ponding is expected.
- For applications where faster curing times are required, the **LEAKSEAL® Rapid Dry Additive** can be added.
- This product is also available in a fire-retardant grade. (available upon request)

Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using **Hydrosolve Degreaser**.
- Fungal growth or algae can be removed using **Fungicidal Wash**.
- Laitance and loose particles must be removed thoroughly i.e., grinding /high pressure cleaning.
- Moisture content of concrete surfaces should not exceed 4%.
- After the cleaning process & before application of the primer coat, it's important that surfaces have been allowed the proper drying time.

Substrate	Cleaner	Primer
Concrete	Mechanically clean using a high-pressure water cleaner or with bristle brushes.	Epoxy WB Concrete Primer. Ensure concrete has dried for 4 weeks & cement plaster for 2 weeks.
Mild Steel	Clean with Hydrosolve Degreaser and rinse thoroughly with water. Remove any rust by coarse sanding or with bristle brushes.	SIMPLY® Metal & Rust or SIMPLY® Metal Primer WB.
New Galvanized Iron	Clean with Galvanized Iron Cleaner to achieve a water break free surface. Rinse thoroughly with water to remove all traces of cleaner.	SIMPLY® Metal & Rust or SIMPLY® Metal Primer WB.
Chromadek	Mechanically clean using a high-pressure water cleaner or with bristle brushes.	Epoxy Multi Prime or Epoxy Surtol Aluminium Fast.
Painted & Weathered Galvanized Iron or Mild Steel	Mechanically clean using a high-pressure water cleaner to remove all loose paint, chalk & dirt or scrub down with bristle brushes and water.	Areas showing red rust must be patch primed with SIMPLY® Metal & Rust or SpecNox Anti-Corrosive WB . The whole surface must then

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		be primed with SIMPLY® Metal & Rust or SpecNox Anti-Corrosive WB
Damp Surfaces	Mechanically clean using a high-pressure water cleaner or with bristle brushes.	LEAKSEAL® Waterproof Plaster Primer SB

Application:

Mixing	Stir well with a flat-bottomed paddle until homogeneous		
Application Tools	Brush, roller, or airless spray		
Application Area	Application		
	Spreading Rate	1.2 – 1.6 m²/ Litre per coat	
	Recommended WFT (per coat)	Min 600µm	Max 800µm
	Recommended DFT (per coat)	Min 300µm	Max 400µm
	Number of Coats	2 – 4 coats	
	Extra Information: • -		
Thinner	Product comes ready for use		
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with Water .		
Clean Up	Clean all equipment immediately after use with Water . It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time. Work strictly in accordance with the specified pot life of the material.		

Application Environment			
	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C	10°C	10%
Maximum	35°C	35°C	85%

Drying & Overcoating Information	
Touch Dry	1 hour @ 23°C
Overcoating Time	8 hours @ 23°C
Hard Dry	16 hours @ 23°C
Full Cure	7 days @ 23°C
Extra Information	Drying times extended in cold, wet, or humid conditions.

Systems:

Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.
- Apply in well-ventilated areas.

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