

ALJAWHARA SUPER ROOF

Fibre-filled liquid membrane in water emulsion with high solar reflectance and thermal emittance with a solar reflectance index (SRI) of 105



WHERE TO USE

ALJAWHARA SUPER ROOF COATING is designed for a variety of applications including concrete, gypsum, and metal surfaces. It effectively prevents water leakage and seepage on these materials, making it ideal for use on roofs, terraces, and exposed structures. This product is particularly suitable for waterproofing concrete and metal surfaces, as well as protecting gypsum from moisture damage.

TECHNICAL CHARACTERISTICS

ALJAWHARA SUPER ROOF COATING is a ready-to-use, white and multicolor waterproofing product composed of high-quality styrene acrylate in a water-based formulation. Once dry, it forms a continuous, flexible waterproofing membrane.

ALJAWHARA SUPER ROOF COATING prevents water leakage and seepage from concrete, gypsum, and metal surfaces. It offers strong adhesion and high elasticity, allowing it to withstand harsh weather conditions and normal expansion and contraction due to temperature variations.

The product can be easily applied with a long-piled roller, and brush on various surfaces. After drying, ALJAWHARA SUPER ROOF COATING provides a durable, tack-free surface once dried. White color coating have high reflectance helps to lower the roof surface temperature compared to darker-colored coatings.

Preparation and Application

Do not apply Aljawhara super roof coating if the temperature is lower than +5°C or higher than +35°C, or if it is about to rain.

1)Surface Condition: Ensure that the substrate is completely dry and free from dew before application. Do not apply aljawhara super roof coating on wet substrates or those with rising damp. Before applying Aljawhara super roof coating, pay particular attention to the expansion joints and the llets between horizontal and vertical surfaces.

2)Surface Preparation: The surface must be clean, dry, and free from dust, grease, and other contaminants. Remove any excess materials and impurities. The substrate should be free from depressions or hollows and, where required, properly sloped.

3)Application: Allow the first coat to achieve superficial dryness in approximately 30 minutes and complete dryness within 2 hours. Apply the second coat only after a minimum of 24 hours.

4)Rain and Moisture: If rain occurs between coats, wait at least 24 hours before applying the next coat. Ensure there is no residual moisture, as it could affect the adhesion between coats.

5)Substrate Quality: Do not apply Aljawhara super roof coating on weak, dusty, or poorly prepared substrates, as this can compromise the effectiveness of the coating.

6)Safety and Instructions: Avoid direct contact with the paint. In case of contact with eyes, wash thoroughly with water immediately. Review all instructions and specifications carefully and consult with a technician if needed before application.

Preparation of the product

The product is supplied ready-to-use; however, it is recommended to mix it thoroughly before application to ensure optimal consistency.

CLEANING TOOLS

Tools must be cleaned with water or cold thinner immediately after use.

CONSUMPTION

The product covers an area of up to 30 m² with 3 layers.

The consumption rate and thickness may vary depending on the type of surface.

PACKAGING

20 kg

STORAGE

Store the product in a dry place at a moderate temperature, away from heat, moisture, and direct sunlight. Keep out of reach of children. The shelf life is (24 months).

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Aljawhara super roof coating is not classified as hazardous under current regulations for mixtures. However, it is advisable to wear protective gloves and goggles, and to follow standard precautions for handling chemicals. For detailed information on the safe use of the product and its potential hazardous components, please refer to the latest version of our Safety Data Sheet.

PHYSICAL DATA		
PRODUCT IDENTITY		
Appearance	Matt Bright White Emulsion Base	
Consistency	Liquide	
Colour	White and all colors	
Binder	Highly adhesive styrene acrylic	
Density (kg/ltr)	1.19 kg/Ltr	
APPLICATION DATA		
Application temperature:	from °5+C to °35+C	
Drying Time at °23+C	uperficial dryness: 30 minutes	
	Complete dryness: 2 hours	
	Second coat after: 24 hours	
Flammability	Not flammable	
viscosity	(130-125) KU	
Dry solids content (%):	58	
Coverage	2-1 kg/m² (at 120 microns DFT)	
Tensile Strength (N/mm²):	5 N/mm²	
Tools	Roller or Brush	
Clean	Water or Cold thinner	
Ready for use at °23+C and %50 R.H. (h):	approx. 48	
MECHANICAL CHARACTERISTICS		
Elongation at failure (%):	490	
FINAL PERFORMANCE (thickness 120 micron)		
Test method Reference	Requirements according to SASO – GSO – 2671	
GSO ISO 3251:2014		
	Determination of the content of non-volatile matter	4.2
GSO ISO 1:2013-9117	Assessment of the condition during drying and drying time	5.2
GSO ISO 6503:2015	Determination of total lead content – Flame atomic absorption spectrometric method	6.2
GSO ISO 1519:2013	Bend test (cylindrical mandrel)	7.2
GSO ISO 3668:2006	Visual comparison of the color of paints	8.2
GSO ISO 2813:2015		
	Determination of gloss value at °85 ,°60 ,°20	9.2
GSO ISO 4624:2015	Adhesion test by the separation method	10.2
GSO ISO 3:2017-16474	Methods of exposure to laboratory light sources – Part 3: Ultraviolet fluorescent lamps	11.2

ISO 7783:2018	Part 2: Determination of water vapor transmission rate – Cup method	12.2
ASTM E84:2018	Standard Test Method for Surface Burning Characteristics of Building Materials	13.2
GSO ISO 8301:2007	Thermal Insulation – Determination of Thermal Resistance and Thermal Transmittance by Extrapolating Related Properties Using a Heat Flow Meter	14.2
ASTM C1549:2016	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer	15.6
ASTM C1371:2015	Standard Test Method for Determination of Thermal Emittance of Materials Near Room Temperature Using a Portable Emissometer	16.2
GSO ISO 22196:2009	Measurement of Antibacterial Activity on Plastics and Other Non-porous Surfaces	17.2

WARNING

While the technical details and recommendations in this product data-sheet are based on our extensive knowledge and experience, they should be considered as guidelines and may require validation through practical application over time. Users should verify the product's suitability for their specific application before use. Ultimately, the responsibility for any outcomes resulting from the use of this product rests solely with the user.



دهانات الجوهرة
ALJAWHARA PAINTS

