لاصق الشعلة
Lasiq alshoula

ALSHOULA
FLEXIBLE ACRYLIC WATERPROOFING COATING

Flexible Liquid-Applied Waterproofing Membrane

Doc Code: TDS-WP-001 | Category: Waterproofing & Finishing Systems (Waterproofing)

1. Product Description

ALSHOULA FLEXIBLE ACRYLIC WATERPROOFING COATING is a single-component, water-based, elastomeric liquid-applied waterproofing membrane designed to protect roofs and exposed building surfaces against water penetration and moisture ingress.
After drying, the product forms a continuous, flexible and seamless protective membrane with good adhesion to properly prepared substrates. Its flexible properties help accommodate minor substrate movements and bridge small, non-moving surface cracks.
The product is suitable for exposed applications subject to weather conditions and UV exposure, when applied at the recommended consumption and under suitable installation conditions.
The product is supplied ready to use and does not require the addition of cement or other materials.

2. Areas of Application

- Waterproofing of concrete roofs and roof slabs.
- Waterproofing of terraces and balconies.
- Protection of exposed cementitious surfaces against rainwater penetration.
- Waterproofing of parapet walls and other exposed vertical surfaces.
- Sealing and protection of roof details, upstands and suitable junctions.
- Protective coating for properly prepared cementitious substrates.
- Application over selected existing coatings and substrates, subject to compatibility and adhesion testing.

3. Features and Benefits

- Flexible Membrane: Forms an elastic coating that accommodates minor substrate movements.
- Waterproof Protection: Provides a continuous protective layer against water penetration when applied at the specified thickness.
- UV and Weather Resistance: Designed for exposed applications under recommended climatic conditions.
- Seamless Application: Forms a continuous membrane without joints or overlaps associated with sheet materials.
- Good Adhesion: Provides good bonding to properly prepared and compatible substrates.
- Crack Bridging: Helps bridge minor, non-moving hairline cracks within the limits of the cured membrane’s performance.
- Water-Based Formulation: Easy to apply using a brush, roller or suitable spray equipment.
- Ready to Use: Single-component product requiring no on-site blending.

AT A GLANCE

PACKAGING	APPLICATION TEMPERATURE	SHELF LIFE
20 kg plastic pails	+10°C to +35°C	12 months

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TECHNICAL DATA

4. Technical Specifications

Property	Typical Value
Product Type	Single-Component Flexible Waterproofing Coating
Appearance	Viscous Liquid
Colour	White, Grey and Other Available Colours
Density at 25°C	Approx. 1.30–1.40 kg/L
Solid Content by Weight	Approx. 60–65%
Tensile Strength	Target ≥ 1.5 N/mm²
Elongation at Break	Target ≥ 250%
Touch Dry Time	Approx. 2–4 hours
Recoat Time	Approx. 6–8 hours
Full Curing Time	Approx. 7 days
Application Temperature	+10°C to +35°C
Recommended Application	2–3 Coats
Packaging	20 kg plastic pails
Shelf Life	12 months

Tensile strength and elongation values are target specifications to be evaluated using the applicable test method, such as ASTM D412. Drying and curing times are indicative and depend on temperature, humidity, film thickness and ventilation. Waterproofing performance, crack-bridging ability and weather resistance require verification through the relevant tests.

5. Coverage and Consumption

The indicative total consumption is approximately 1.2–1.5 kg/m², applied in 2–3 coats.
Actual consumption depends on:

- Substrate porosity and surface texture.
- Application method and number of coats.
- Required membrane thickness.
- Site conditions and application losses.

The required dry film thickness (DFT) must be established through product testing and verified during application. Do not use the consumption figure alone as confirmation of a specified DFT.
For critical waterproofing applications, verify the applied consumption and dry film thickness through appropriate site checks.

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APPLICATION GUIDE

6. Application Procedure

6.1 Surface Preparation

- Ensure the substrate is structurally sound, stable, dry and sufficiently cured.
- Remove dust, oil, grease, laitance, loose particles, moss and other contaminants.
- Remove all weak or deteriorated coatings and materials.
- Repair cracks, holes, honeycombs and surface defects using a suitable repair material before applying the coating.
- Ensure that corners and wall-to-floor junctions are properly prepared. Provide suitable fillets where required.
- Seal pipe penetrations, joints and other critical details using compatible materials.
- Ensure that roof surfaces have adequate drainage and do not contain areas of persistent water ponding.
- For existing bituminous coatings, metal surfaces, tiles or other non-cementitious substrates, conduct a preliminary adhesion and compatibility test before application.

6.2 Primer Coat

- For porous or highly absorbent cementitious substrates, apply a suitable primer coat to improve surface preparation and adhesion.
- Where appropriate, ALSHOULA FLEXIBLE ACRYLIC WATERPROOFING COATING may be diluted with clean water at an indicative rate of 20–30%, subject to confirmation through preliminary trials and substrate conditions.
- Apply the diluted material evenly using a brush or roller.
- Allow the primer coat to dry sufficiently before applying the subsequent coating layers.
- Do not use a diluted primer coat as a substitute for the required undiluted waterproofing coats.

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APPLICATION GUIDE

6.3 Application of Waterproofing Coats

- Stir the product thoroughly before use until a uniform consistency is obtained.
- Do not add water to the product unless specifically required for the approved primer application.
- Apply the first undiluted coat evenly using a brush, roller or suitable spray equipment.
- Ensure uniform coverage without pinholes, gaps or excessive material accumulation.
- Allow the first coat to dry sufficiently before applying the next coat.
- Apply the second coat perpendicular to the direction of the first coat to improve coverage uniformity.
- Apply a third coat where required to achieve the specified total consumption and membrane thickness.

6.4 Reinforcement of Critical Areas

- Reinforcement fabric may be incorporated into the wet coating at corners, junctions, cracks and other critical details where additional reinforcement is required.
- Use a compatible non-woven polyester reinforcement fabric suitable for liquid-applied waterproofing systems.
- Embed the fabric into the wet first coat and ensure it is fully saturated with the coating.
- Apply additional coating layers to fully cover the reinforcement.
- Movement and expansion joints must be treated using a suitable flexible joint-sealing system. The coating and reinforcement fabric alone are not a substitute for a properly designed movement-joint system.

6.5 Curing and Protection

- Protect the applied coating from rain, water exposure, dust and mechanical damage during the initial drying period.
- Do not apply when rain is expected before the coating has dried sufficiently.
- Avoid application on overheated surfaces or under conditions that may cause excessively rapid drying.
- Allow the coating to cure fully before subjecting it to water ponding tests or regular service exposure.
- A curing period of approximately 7 days is indicative and must be confirmed under actual site conditions.

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HANDLING & SUPPLY

7. Drying and Curing

Stage	Indicative Time
Touch Dry	2–4 hours
Recoating	6–8 hours
Full Curing	Approximately 7 days

Drying and curing times depend on temperature, humidity, ventilation, substrate conditions and applied film thickness. Allow each coat to dry sufficiently before applying the next layer.

8. Packaging and Storage

Packaging: 20 kg plastic pails.
Storage: Store in original unopened containers in a cool, dry and shaded area between +5°C and +35°C. Protect from direct sunlight, excessive heat and freezing temperatures. Keep containers tightly closed when not in use.
Shelf Life: 12 months from manufacturing date when stored in original unopened packaging under recommended conditions.

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SAFETY & SUPPORT

9. Safety Precautions

Avoid direct contact with eyes and prolonged contact with skin. Wear suitable protective gloves, safety goggles and appropriate work clothing. Ensure adequate ventilation when applying in enclosed areas. In case of eye contact, rinse immediately with plenty of clean water and seek medical attention if irritation persists.

10. Important Notes

- The product is a liquid-applied waterproofing coating and must not be considered a substitute for proper roof drainage or structural repair.
- Substrates must be sound, stable and properly prepared before application.
- Do not apply over loose, contaminated or poorly bonded surfaces.
- Do not apply during rain or when rain is expected before sufficient drying.
- Avoid application on surfaces with standing water or active water leakage.
- The product is not intended to bridge active structural cracks or accommodate movement joints without an appropriate joint treatment system.
- Existing bituminous membranes, metal sheets, tiles and other non-cementitious surfaces require compatibility and adhesion testing before application.
- Reinforcement fabric should be used at critical details where required by the application conditions.
- The specified total consumption and dry film thickness must be achieved to obtain the intended waterproofing performance.
- Do not expose the coating to water ponding or heavy foot traffic before it has fully cured.
- For areas subject to regular or heavy pedestrian traffic, provide a compatible protective finish where required.
- Conduct a preliminary application trial to verify adhesion, appearance and compatibility under actual site conditions.

11. Manufacturer Information

ALSHOULA ADHESIVES FACTORY
Jeddah, Kingdom of Saudi Arabia
Product: ALSHOULA FLEXIBLE ACRYLIC WATERPROOFING COATING
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Disclaimer: The technical information provided in this document represents indicative product specifications based on formulation data and practical application experience. Declared performance values and waterproofing characteristics are subject to verification through appropriate laboratory testing. Application conditions, substrate characteristics, film thickness and workmanship may affect the final results. Users are responsible for conducting suitability tests under actual site conditions before use.