

ARKSEAL W

Liquid-applied polyurethane waterproofing membrane

Description

ARKSEAL W is a liquid-applied, highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing. Solvent based.

The ARKSEAL W is based on pure elastomeric hydrophobic polyurethane resins, which result in excellent mechanical, chemical, thermal and natural element resistance properties.

Cures by reaction with ground and air moisture.

Typical Properties

Elongation at Break: > 400 %

Tensile Strength: > 4 N/ mm²

Water Vapor Permeability: > 25 gr/m²/day

Resistance to Water Pressure: No Leak (1m water column, 24h)

Adhesion to concrete: >2,0 N/mm² (concrete surface failure)

Hardness (Shore A Scale): 65

Thermal Resistance (80oC for 100 days): Passed

Hydrolysis (5% KOH, 7days cycle): No significant elastomeric change

Service Temperature: -30°C to +90°C

Tack Free Time: 8 hours

Light Pedestrian Traffic Time: 24 hours

Final Curing time: 7 days

Chemical Properties: Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.

Colours: ARKSEAL W is supplied in white, grey and black.

Advantages

- Simple application (roller or airless spray).
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Crack-bridging.
- Provides water vapor permeability, so the surface can breathe.
- Provides excellent thermal resistance, it never turns soft.
- Maintains its mechanical properties over a temperature span of -30oC to +90oC.
- Provides excellent adhesion to almost any type of surface.
- The waterproofed surface can be walked on.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Does not need the use of open flames (torch) during application.
- No low-cost bitumen extenders present in the product
- Over 15 years of positive feedback worldwide.

Uses

Waterproofing of Wet Areas (under-tile application) in:

- Bathrooms
- Kitchens
- Balconies
- Auxiliary Rooms, etc

Consumption

1,2 – 1,5 kg/m² applied in two or three layers.

This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

Packaging

ARKSEAL W is supplied in 25 kg, 15 kg, 6 kg, 1kg metal pails and 270 kg Barrels. Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 50-300C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Application

Stir well before using. Pour ARKSEAL W onto the primed/prepared surface and lay it out by roller or brush, until all surface is covered. After 12-18 hours (not later than 48 hours) apply another layer of ARKSEAL W. For demanding applications, apply a third layer of ARKSEAL W.

If ARKSEAL W is to be covered with ceramic tiles, fully saturate with oven-dry silica sand (corn-size 0,4-0,8mm) the last layer while still wet. This saturation will create an adhesion bridge to the tile adhesive that will follow.



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Arkaz Alsharq Building Materials

Health and Safety

PROFESSIONAL USE ONLY

ARKSEAL W contains isocyanates.

For further information please consult Arkaz

Technical Service

The technical service department of Arkaz Alsharq Building Materials is available to assist in the correct and best use of our products. These resources and advice are at your disposal entirely without obligation. Please contact:

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