

MonniProof ACR

Single component acrylic waterproofing membrane

Product Description

MonniProof ACR is a single component elastomeric water-based acrylic membrane that has versatile uses for waterproofing in residential and commercial construction. The product is available in a variety of colors.

Uses

Can be used as a waterproofing coating on following:

- ▶ Waterproofing of concrete, asbestos, cement and gypsum board surfaces.
- ▶ Protecting spray-PU membranes from UV rays.
- ▶ As a decorative overlay on bituminous membranes and over existing terrazzo tiles.

Advantages

- ▶ Flexible elastomeric product.
- ▶ Easy to use single component.
- ▶ Weather resistant.
- ▶ Can be applied over sloped roofs.
- ▶ Easy to maintain.

Usage Instructions

Surface Preparation

All surfaces where the MonniProof ACR is to be applied must be smooth, clean, and free from dust, laitance or loose materials. When otherwise necessary, it is highly recommended to use compressed air or a wire brush in order to remove further dirt, oil stains and other inconsistencies.

Application

For waterproofing

Use a smooth trowel, roller or brush to apply the first coat of waterproofing product on the surface. Immediately lay MonniProof ACR along the surface while it is still fresh. Make sure to embed the mesh completely by gently pressing the product with the help of a trowel or roller. Apply the second layer of the waterproofing product after the first layer is totally dry (approximately 12 to 24 hours).

When joining the MonniProof ACR mesh together, be sure to keep an overlap of at least 5 to 10 cm.

For plastering

For plaster application, apply one coat of plastering product on the walls with a thickness as recommended in the data sheets. While the plaster is still wet, apply MonniProof ACR fibre mesh and imbed inside the plaster. Trowel the surface until the mesh is fully covered. When needed, apply the second layer of plaster to achieve the required thickness. MonniProof ACR is available in four different grades. Refer to the technical properties table provided below. When MonniProof ACR is to be used in conjunction with other Monneli products, make sure to follow the recommended method of application for each product by referring always to the Technical Data Sheet.

Cleaning

MonniProof ACR product should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

Technical Data

Category	Typical Values
Available colors	White
Drying time (RH 50%)	60 Minutes
Density	1.35 kg/Ltr approx.
Resistance to positive water pressure DIN1048	>1.5 Bar
Chloride content	Nil
Solid Content	57-65%
Elongation @ break	>350%
Weathering Resistance	1000 hours - slight discoloration, no deterioration in function
Full Cure	7 days
Bond Strength	Higher than concrete cohesive strength
Application temperature	Minimum + 5°C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	<50 gm / Liter

All values are subject to 5-10% tolerance

Coverage

MonniProof ACR covers 0.7-1.0kg/m²

Packaging

MonniProof ACR is supplied in 20 Kg Pails

Shelf Life & Storage

Original sealed container of MonniProof ACR and has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 35°C.

Recommendations

- ▶ MonniProof ACR should not be applied at ambient temperatures below 5°C and dropping.
- ▶ MonniProof ACR should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- ▶ Being Styrene Acrylic; the MonniProof ACR may yellow over time from UV rays but the integrity and function of the membrane are not compromised

Health & Safety

MonniProof ACR contains acrylic polymer which can be harmful to the skin. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

MonniProof ACR is non-flammable.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

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