



ARDEX WPM 960

Low VOC Moisture Cure Polyurethane Waterproof Membrane

Easy application even on vertical surface

Resistant to dirt, soil acid and salts

Can be used on concrete and metal surface

Low VOC solvent, non-flammable

Flexible and able to withstand movement and hairline
crack



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Low VOC Moisture Cure Polyurethane Waterproof Membrane

DESCRIPTION

ARDEX WPM 960 is a single component low VOC, liquid applied, highly elastic moisture polyurethane membrane used for long-lasting roof application.

For UV or color fastness, apply a UV stable topcoat of ARDEX WPM 429.

APPLICATION RANGE

- Roof tiles, flat roofs & external wall façade.
- Protection of Polyurethane Foam insulation.
- Waterproofing of flowerbeds and planter boxes.
- Waterproofing and protection of concrete and metal roofs.

SUBSTRATE PREPARATION

Clean substrate using a high-pressure jet washing, if possible. Concrete floors must be solid, clean and free of grease, dust, loose particles or any other contaminants. New concrete surfaces should ideally be at least 28 days old and with a moisture content not exceeding 5% and moisture content of RH 75%. If rain is imminent, do not apply the coating. Old loose coating, dirt, fats, oils, organic substances and dust need to be removed by mechanically methods such as shot blasting or diamond grinding. It is critical to achieve a well prepared substrate to ensure optimum adhesion between the new coating system and the existing prepared surface. Do not wash surface with water thereafter.

PRIMING

Prime the prepared floors such as concrete, cement, screed surface using ARDEX R 2 E with broadcasting sand. For damp or wet concrete and cement screed, ARDEX WPM 300 is recommended.

MIXING

Use a low speed mixer and stir well until the mixture is homogeneous. For spraying application dilute 5 to 10% with xylene. Do not dilute with water.

APPLICATION

Apply ARDEX WPM 960 onto the primed surface and lay it out with roller or brush, until all surfaces are covered. You can use airless spray as well. Always reinforce with ARDEX Deckweb or STB Butyl Tape at problem areas like wall-floor connection, chimneys, pipes and over repaired cracks. Do not exceed 48 hours between coats. For outdoor colour protection, apply the UV stable topcoat of ARDEX WPM 429.

COVERAGE

Approximately 1.5kg per m² in two coats application to achieve 1.1mm (DFT).

This coverage is based on application by roller onto a smooth surface in optimum conditions. Coverage will vary depending on the porosity of the surface, temperature and application method.

RECOAT TIME

Apply the second coat when the first coat is dry after >12 hours at 25°C.

DRYING TIME

Allow approximately 5 – 6 hours for touch dry at 25°C. Full cure after 7 days, depending on temperature and humidity.

CLEANING

Tools and equipment should be cleaned with an environmentally safe solvent, as permitted under local regulation, immediately after use.

SHELF LIFE AND STORAGE

Store in dry, damp-free and cool conditions. ARDEX WPM 960 has a storage life of 12 months in the original unopened containers.

Once open, use as soon as possible as the moisture will affect the storage life of the product.

PACKAGING

25 kg pail

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TECHNICAL PROPERTIES

Density:	1.5g/cm ³
Viscosity (Brookfield):	2000 - 4000 cps
Tensile strength: (after 28 days)	Approx. \geq 2.5 N/mm ²
Elongation at break:	Approx. \geq 800%
Water vapour transmission:	0.8gr/m ² /hour
QUV accelerated weathering test:	Passed (2,000 hours) (ASTM G53)
Hardness (Shore A):	60

SAFETY DATA

ARDEX WPM 960 contains solvent and should be handled and treated with caution. Avoid contact with eyes and wear face mask to prevent dust inhalation. In event of irritation, seek medical advice. Additional information is in the Safety Datasheet (SDS) available upon request or online at www.ardex-quicseal.com.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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