



ARDEX WPM 418

Spray-Applied Rapid Cure Polyurea System

Rapid cure

Excellent substrate adhesion

Excellent waterproofing properties

Good chemical resistance

Seamless and trafficable

Can be used as dome and special-shaped or steep roof
with a uniform thickness



ARDEX SINGAPORE PTE LTD
26 Tuas Ave 4 Singapore 639376
Telephone: +65 6861 7700
Fax: +65 6862 3381
Email: sales@ardex.com.sg
Website: www.ardex.com.sg

ARDEX WPM 418

Spray-Applied Rapid Cure Polyurea System

DESCRIPTION

ARDEX WPM 418 is a monolithic, liquid applied and two component elastomeric waterproofing and flooring membrane that is spray-applied, rapid cure polyurea elastomer. And in view of environmental concern, no solvent is used. The system has the gel time of 3 – 5 second and curing time of 3 – 5 minutes.

AREA OF APPLICATION

- Flat Roof
- Landscape Decks
- Podium
- Roof Terrace
- Carpark Deck
- Cut and cover tunnels

Due to its rapid cure property, it can be used as dome and special-shaped or steep roof with a uniform thickness

BASIC APPLICATION INSTRUCTIONS

Substrate Preparation

Before any waterproofing or flooring work is started, the applicator shall thoroughly examine all surfaces for any deficiencies.

All surfaces that are to be coated must be thoroughly dry and free from contamination including oil, dirt and laitance.

All cracks over 1/16" inch width shall be routed out to 1/4" inch width and 1" inch depth and fill with polyurethane elastomeric sealants.

Primer

Substrate to receive ARDEX R3E must be cured for a minimum of 28 days and dry. The moisture level should not exceed 5% by volume when tested with an approved surface moisture meter.

All surfaces should be primed with ARDEX R3E, at the rate of 0.25kg/m² and broadcast with sand and allow drying prior to application of the membrane.

Base membrane

Set the membrane with the 'spray equipment condition'.

If the atmospheric temperature is below 10°C warm, the resin with band heater is about 75 – 80°C

Install at the rate of 1.8kg/m² to obtain an average dry film thickness of 1.5mm.

Top coat

ARDEX WPM 418 is not suitable for UV resistant. If used in exposed areas, apply ARDEX WPM 429 with dry silica sand to provide a hard wearing non-slip surface is recommended. ARDEX WPM 429 shall be applied by spray or roller at the rate of 0.2 litre per m².

CLEAN UP AND DISPOSAL

Wash hands and equipment with water, as permitted under local regulations, immediately after use.

SAFETY PRECAUTIONS

Avoid breathe of vapors or mist. Keep the products away from heat, sparks and flame. It should not come into contact with skin and eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapor. Wear suitable gloves, goggles and other protective clothing. When working in confined areas ensure adequate ventilations. In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case if contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straight away, do not induce vomiting.

TECHNICAL PERFORMANCE DATA

Substrate Preparation

	Resin	Hardener
Appearance	Light yellowish liquid	Coloured liquid
Viscosity (cps, 25°C)	400 – 1000	400 – 1000
Non-volatile-content (%)	100	100
Tensile strength (kgf/cm ²)	Min 120	
Tear strength (kgf/cm ²)	Min 45	
Elongation (%)	Min 350	
Hardness (Shore A)	90 ± 5	

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.

Offices:

Malaysia:

ARDEX MANUFACTURING SDN BHD (669180-X)

No. 19-1, Jalan Puteri 2/2, Bandur Puteri,
47100, Puchong, Selangor Darul Ehsan
Tel: +60 38060 1139 Fax: +60 38060 0719
Email: sales@ardex.com.sg

Thailand:

ARDEX (THAILAND) CO., LTD

969 2nd Floor Moo, 13, Soi 45, Bangna-Trad Road
Bangkaew, Bangplee, Samutprakarn 10540 Thailand
Tel: +66 2316 3069 Fax: +66 2316 3075
Email: sales@ardex.co.th

Vietnam:

Mobile: +84 901 351 308
Email: sales@ardex.com.sg

March 2016