



# ARDEX WPM359

**High Wearing Acrylic Protective Coating & Clear Sealer**

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Hard wearing

Easy to clean

Clear and Pigment version to select

Excellent UV and fungi resistance

Low VOC

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# ARDEX WPM 359

## High Wearing Acrylic Protective Coating & Clear Sealer

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### PRODUCT DESCRIPTION

ARDEX WPM 359 (High Wearing Acrylic Protective Sealer) is a single part acrylic based pigmented coating and sealer system. It has been specifically developed for use over ARDEX Roof & Deck membranes in exposed medium foot traffic situations and is available in both pigmented and clear versions

### FEATURES/BENEFITS

Hard wearing coating protects surface and enables foot traffic

Water-base, environmentally friendly

Easy to apply, tack free

Smooth semi-gloss appearance

Excellent UV & fungi resistance

Improves cleanability of ARDEX WPM 345 (Roof & Deck) system

### ACCEPTABLE SUBSTRATES

ARDEX WPM 345 micro-fibre reinforced acrylic membranes

ARDEX WPM 185 torch-on membrane

### LIMITATIONS

ARDEX WPM 359 should be used in conjunction with a high build, liquid membrane or sheet membrane. It is not intended to be used as a waterproofing membrane in its own right.

### BASIC APPLICATION INSTRUCTIONS

#### Surface Preparation:

Make sure the membrane to be coated is sound, clean and free from contaminating material. Liquid membranes must also be thoroughly cured and dry. If rain is imminent do not apply the coating. Stir the contents before use to ensure the colour is consistent.

#### Application over freshly applied liquid membranes:

Wait until the last coat of the ARDEX WPM 345 (Micro-fibre reinforced) membrane is completely dry (24 hrs @ 25°C, 75% RH). Apply one heavy coat (WFT 0.17 to 0.20mm) of pigmented ARDEX WPM 359 (Protective Membrane) with a short pile roller. Saturate the roller to achieve a substantial and consistent film. Do not overwork the coating as this can cause excess air to build-up in the film. In areas subject to the heaviest traffic / abrasion, eg. Balcony step-downs, two coats of ARDEX WPM 359 are recommended.

### **Application to old liquid membranes & recoating:**

If ARDEX WPM 359 is to be applied over an existing acrylic liquid membrane which has already been exposed to foot traffic, the entire surface should be cleaned with warm water. A mild household detergent should be used if necessary. Wait for the substrate to be completely dry before priming the membrane with one light coat of ARDEX WPM 267 (Water Base Primer). Once the primer is completely dry apply one heavy coat of ARDEX WPM 359 to the entire surface.

It may be necessary to re-coat the ARDEX WPM 359 over time depending upon the frequency and nature of foot traffic. Before recoating ARDEX WPM 359 thoroughly clean the area to be recoated with water and allow to dry. Apply a heavy coat of ARDEX WPM 359 and allow it to cure to its full strength (48 hours) before subjecting it to foot traffic.

### **Application over ARDEX torch-on membrane**

Note that ARDEX WPM 359 is not designed for application over membrane system other than ARDEX WPM 185.

Lightly broom or vacuum clean the surface to remove excess loose mineral before applying 2 liberal coats of ARDEX WPM 359.

### **Application Hints:**

For best results choose a light coloured ARDEX WPM 345 (Microfibre Reinforced) underneath ARDEX WPM 359. Apply ARDEX WPM 359 with a short nap roller.

### **COVERAGE**

One (1) unit of 18L will cover approximately the areas indicated below when applied at the recommended film thickness per coat:

Clear: 90m<sup>2</sup> per pail per coat (approx 0.16mm WFT)  
Pigmented: 108m<sup>2</sup> per pail per coat (approx. 0.1mm WFT)

### **DRYING TIME**

Touch dry time:	40 mins @ 25°C and 75%RH
Re-coat time:	Min 4 hours @ 25°C and 75%RH
Dry through time:	Overnight @ 25°C and 75%RH
Full cure time:	4 days @ 25°C and 75% RH

### **SAFETY PRECAUTIONS**

ARDEX WPM 359 is non-hazardous; non-dangerous goods. Do not swallow or inhale contents. Protect eyes where there is a risk of splashing. If product comes in contact with eyes, rinse thoroughly with water. In the event of irritation, seek medical advice.

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET.

### **STORAGE**

The shelf life of ARDEX WPM 359 is 18 months in the original unopened packaging when stored in a cool, dry and well-ventilated area. Keep containers securely sealed. DO NOT allow to freeze. Do not store in direct sunlight. Replace lid tightly after use

### **CLEAN UP & DISPOSAL**

Wash hands, brushes, rollers, etc, with water while the membrane is still fresh. Remove cured material with mineral turpentine. Remove any food or drink stains immediately with warm water and a mild household detergent. Dispose of containers in compliance with all relevant local authorities, state, and federal regulations.

## TECHNICAL PERFORMANCE DATA

	<b>Clear</b>	<b>Pigmented</b>
<b>Form &amp; Colour</b>	White Liquid when wet, Clear when dry	Viscous coloured liquid (Grey, Red, Green) Special colours available only upon request.
<b>Specific Gravity</b>	1.05	1.35
<b>Application Surface Temperature</b>	10°C - 30°C	
<b>Service Temperature</b>	10°C - 70°C	
<b>Touch Dry</b>	30 to 45 mins.	
<b>Through Dry</b>	Approx. 4 hours	
<b>Adhesion to substrate ASTM D4541 adapted</b>	>1.3 N/mm <sup>2</sup>	
<b>Tensile Strength ASTM D412:1998</b>	> 3.0 MPa	
<b>Elongation, % ASTM E96: 1995</b>	< 90%	
<b>Vapour permeability ASTM D2240:1995</b>	Approx. 3–5g/m <sup>2</sup> /24hr	Approx. 10–15g/m <sup>2</sup> /24hr
<b>Initial Hardness (system) ASTM D2240:1995</b>	> 75 Shore A	
<b>Accelerated weathering ASTM G53: 1993</b>	No blistering, cracking after 1000 hours	
<b>Algae, fungi-exterior exposure SS345:1990</b>	No growth	

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