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# ARDEX WR 60

## Polymer Modified Render Ideal for Non-porous and Flexible Substrates

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Easy to use with superior non-slump and creamy consistency

Suitable for internal and external applications

Produces a build-up from 2-5mm with a medium-fine finish with no sagging or cracking

Suitable for a variety of substrates including painted surfaces, masonry, AAC blocks, EPS foam panels, blueboard and concrete

No maturing time required - can be applied immediately after mixing

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# ARDEX WR 60

## Polymer Modified Render Ideal for Non-porous and flexible Substrates

### DESCRIPTION

ARDEX WR 60 is a fine-medium grade render and is suitable for rendering walls, both internally and externally, at an application thickness from 2-5 mm. It can be applied over the following surfaces:

- Masonry (Brickwork & Blockwork)
- Concrete walls
- AAC - Autoclaved Aerated Concrete Blocks and Panels
- EPS Foam Panels
- Existing render
- Blueboard
- Painted surfaces\*

If a higher build is required on an uneven surface, use ARDEX WR 100 (not suitable over blueboard, existing render or painted surfaces) as a base coat.

### SURFACE PREPARATION

Clean off dust, oil, grease and all loose contaminating materials or coatings other than paint\* including release agents and curing compounds. Green concrete should be allowed to cure for 28 days prior to rendering. If dry and porous, dampen the surface to be rendered by brushing or sponging the surface or applying a light mist spray of water to prevent rapid drying of the render. Dense concrete will require priming with ARDEX WR Prime and allowed to dry for 30 minutes prior to the application of the render. Use of a primer will extend the working time of the render.

#### \*PAINTED SURFACES

ARDEX WR 60 can be applied to alkali stable paints; pre-painted substrates must be mechanically roughened or washed with a pressure cleaner to ensure loose or unstable paint is removed. If possible, consult with the paint manufacturer if paint is suitable to be rendered over. It is not recommended to tile over the render when applied over existing paint.

### MIXING

1. Add approximately 3.5 to 4L of clean water to a bucket.
2. Gradually add 20kg of ARDEX WR 60 to the water whilst mixing with an electric mixer to disperse the powder into a creamy, lump free consistency.

### APPLICATION

1. Apply the render with a steel trowel, evenly spreading the mix over the surface.
2. After 10-30 minutes, depending on ambient and surface conditions, work can begin on the surface

finish. The surface finish can be dense and smooth by using a wooden or plastic float or coarse and sandy by using a sponge to give the required effect.

3. The mixed material is useable for up to 30- 40 minutes at 23°C and 50% relative humidity.

### RECOMMENDED METHODS OF PREPARATION AND APPLICATION

#### Masonry (Brickwork & Blockwork)

Ensure that masonry and mortar is applied according to Australian Standard AS 3700 and is fully cured with joints applied. Clean off dust, oil, grease and all loose contaminating materials or coatings such as release agents or curing compounds. If dry and porous, dampen the surface to be rendered by brushing or sponging the surface or applying a light mist spray of water to prevent rapid drying of ARDEX WR 60.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

#### Concrete Walls

Clean off dust, oil, grease and all loose contaminating materials or coatings other than paint\*. If dry and porous, dampen the surface to be rendered by brushing or sponging the surface or applying a light mist spray of water to prevent rapid drying of ARDEX WR 60. Concrete over 35MPa may require for the pores to be opened by mechanical means.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

#### AAC – Autoclaved Aerated Concrete Blocks and Panels

Clean off dust, oil, grease and all loose contaminating materials or coatings other than paint\* using a stiff brush. Prepare AAC blocks according to manufacturer's instructions. Apply 1-2 coats of ARDEX WR Prime; then use ARDEX WR 60 for first render coat. For AAC Panels, cover joints with alkali-resistant mesh tape using ARDEX WR 31 to embed tape to minimise cracking.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative

finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

### **EPS Foam Panels**

Clean off dust, oil, grease and all loose contaminating materials or coatings other than paint\*. Please note, polystyrene panels are UV sensitive, do not leave exposed to direct sunlight for an extended period of time before render is applied. For flexible substrates, use ARDEX WR 60 with ARDEX WR Prime at a dilution rate of 1:5 (ARDEX WR Prime/ water) for first coat. For added stability and to minimise cracking, apply alkali-resistant mesh throughout the first coat.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

### **Existing Render**

Clean off dust, oil, grease and all loose contaminating materials or coatings other than paint\*. Ensure the existing render is sound and remove any loose or drummy parts of the render. If dry and porous, dampen the surface to be rendered by brushing or sponging the surface or applying a light mist spray of water to prevent rapid drying of ARDEX WR 60.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

### **Blueboard**

Boards must be fully framed around the perimeter of the blueboard sheet to minimise potential movement. Follow manufacturer's recommendation on securing and installing sheet prior to rendering. For flexible substrates, use ARDEX WR 60 with ARDEX WR Prime at a dilution rate of 1:5 (ARDEX WR Prime/ water) for first coat. Alkali-resistant mesh tape shall be applied and embedded with ARDEX WR 31 on joints for added stability and to minimise cracking.

A subsequent coat of ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render.

### **FINISHING**

After 10-30 minutes, depending on ambient and surface conditions, work can begin on the surface finish. The surface finish can be dense and smooth by using a wooden or plastic float or coarse and sandy by using a sponge to give the required effect.

### **DRYING TIME**

The render surface is touch dry in 1-2 hours @ 23°C. A subsequent coat may be applied after 4-8 hours depending on ambient conditions and application thickness and the surface will reach full cure after 7 days. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the render to cure for a minimum of 1 day for each 2mm thickness of the render. Cold, damp or humid conditions may lengthen the drying time.

### **TILING OVER RENDER**

The render must be applied at a minimum thickness of 2mm and have a sandy finish before tiling. Prime with ARDEX Multiprime and apply tiles with the recommended ARDEX adhesive for that type of tile. Please note that weight loading limits apply for rendered surfaces; tiling must be performed in accordance with the current version of AS3958. ARDEX WR 60 is only suitable to be tiled over if used over concrete, concrete blockwork, brickwork and AAC Concrete Blocks and Panels. ARDEX WR 60 is not suitable to be tiled over when applied over existing paint, fibre cement sheets, blueboard, existing render and EPS panels.

### **COVERAGE**

Coverage will vary depending on the condition of the surface and site conditions. As a guide, 20kg of ARDEX WR 60 mixes to 13 litres of mortar. As a guide, 20kg will cover:

- 5m<sup>2</sup> at 3mm thickness
- 3m<sup>2</sup> at 5mm thickness

### **PACKAGING**

ARDEX WR 60 is packed in polylined paper sacks – net weight 20kg.

### **CLEAN UP**

Clean all tools in water immediately after use.

### **SHELF LIFE**

12 months when stored in a dry place, in original unopened packaging

### Pay Attention to the following:

ARDEX WR 60 is not suitable for use over floors. Adequate movement joints are required to minimise cracking on the surface of the render. Do not apply in temperatures below 5°C or above 35°C or application in extreme conditions such as high wind or direct sunlight and shelter from rain and moisture for 24 hours after completion. To avoid damage and for ease of cleaning all windows and doors, including frames should be masked and covered. Do not apply in swimming pools.

### SAFETY PRECAUTIONS

This product is considered non-hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place.

Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and eye protection and keep the product out of the reach of children. Avoid the generation of airborne dust during mixing. If swallowed do not induce vomiting, give a glass of water and contact a doctor.

For further material safety data, consult the latest Material Safety Data Sheet.

### TECHNICAL DATA

#### Product Characteristics

Colour Grey Powder

#### Characteristics of Mix

Mixing Ratio (trowel-on mix) 3.5 to 4L/20kg Powder

#### Application Properties

Pot Life	30-40 minutes
Touch Dry	1-2 hours
Recoat Time	4-8 hours
Full Cure	7 days

### DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice building regulations or industry guidelines may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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