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MAY 2022  
(SUPERSEDES OCTOBER 2018)  
PRODUCT DATA SHEET

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# ARDEX AM 50 OCR

## Standard Setting One Coat Tiling Render

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### Features

- Tiles can be fixed in as little as 24 hours
- Apply 6-20mm in a single application
- Easy to use
- Suitable for internal areas including showers
- Pre-blended, only requires addition of water



Reg No. FM 01207

EMS 565427

OHS 628374

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# ARDEX AM 50 OCR

## Standard Setting One Coat Tiling Render

### DESCRIPTION

ARDEX AM 50 OCR is a grey setting sand and cement render that can receive tiling in as little as 24 hours after application. It is pre-blended, requiring only the addition of water to produce a slump free mortar that can be applied 6-20mm thick in a single coat.

### USE

ARDEX AM 50 OCR can be applied from 6mm up to 20mm thickness in a single.

ARDEX AM 50 OCR is suitable for rendering suitably prepared in-situ concrete walls, brickwork and block work.

ARDEX AM 50 OCR is suitable for use in internal areas, including showers.

### SURFACE PREPARATION

All backgrounds must be suitably stable and any movement joints brought through to the tiling surface. All surfaces must be clean, firm and free of dust, dirt, oil, grease, paint, gypsum plaster and other barriers to adhesion; the use of suitable mechanical preparation equipment may be required. They must have had adequate drying time as given in the relevant part of BS 5385, i.e. in-situ concrete walls, brickwork and should be allowed to shrink for at least 6 weeks.

When rendering to concrete substrates, the aggregate surface should be exposed as advised in BS 5385.

Settlement cracks can be filled with rendering mortar; however, if they are caused by structural movement, there is no guarantee they can be eliminated. Small cracks should be cut out and enlarged so that better contact is obtained.

Metal components must be given adequate corrosion protection.

Anchored reinforcements should be installed and mechanically fixed to the background when rendering to the following backgrounds/locations: dense surfaces such as glazed bricks or ceramic tiles; timber framed constructions; old paint finishes that cannot be removed and other weak surfaces. All reinforcement and mesh must be secured in accordance with the manufacturer's guidance and/or BS 5385.

**NOTE:** The substrate must be prepared, so as to guarantee the adhesion of the render mortar when applied.

### MIXING

A 25kg bag of ARDEX AM 50 OCR requires approximately 4 to 4.5 litres of water. If smaller quantities are required the mortar should be mixed to a slump free consistency so that the mortar does not slide off the trowel and is able to support itself on the wall.

Add the ARDEX AM 50 OCR powder to the water in a clean container, whilst stirring and mixing thoroughly until a slump-free mortar is achieved. The use of an ARDEX mixing paddle with a 10mm chuck, variable-speed electric drill makes light work of mixing, or a forced action mixer can be used for larger quantities.

Pot life is a minimum of 2 hours and the render should be remixed approximately every 20 minutes.

### APPLICATION

Apply at temperatures above 5°C.

ARDEX AM 50 OCR should firstly be applied as a 1-2mm thick skim coat/bonding layer, before the remaining required thickness is applied fresh-in-fresh.

When applying to the deeper thicknesses over larger areas, the material can be applied in two layers if preferred. For example, for a total depth of 20mm, a 14mm thick layer can be applied, allowed to harden and then followed by a 6mm thick layer. When applying in two layers, ensure the top layer is always thinner than the initial layer.

### TREATMENTS & TILING

Depending on the render thickness, the porosity of the background being rendered, further treatment such as wood floating can be carried out between 2-3 hours after application at 20°C.

If required, ARDEX WPC for wet (not submerged) areas can be applied typically after 24 hours at 20°C.

Tiles can typically be fixed in as little as 24 hours at 20°C using an appropriate ARDEX Cement-Based Tile Adhesive.

These times are dependent on site conditions, and will be extended in lower temperatures and shortened at higher temperatures.

**NOTE:** When tiling, the rendering should be finished to SR1 as per BS 5385.

### COVERAGE

Approximately 1.4kg of ARDEX AM 50 OCR powder/m<sup>2</sup>/mm i.e. a 25kg bag will cover approximately 3m<sup>2</sup> at 6mm thick.

### PACKAGING

ARDEX AM 50 OCR is available in a 25kg pack size, packed in paper sacks incorporating a polyethylene liner.

### STORAGE AND SHELF LIFE

ARDEX AM 50 OCR must be stored in unopened packaging, clear of the ground in cool dry conditions and protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

**NOTE:** For the latest technical or health and safety data on this product, consult the current technical or health and safety datasheet online at [www.ardex.co.uk](http://www.ardex.co.uk)

### TECHNICAL DATA

Bulk density:	Approximately 1.4kg/m <sup>3</sup>
Weight of fresh mortar:	Approximately 1.6kg/m <sup>3</sup>
Application time (20°C):	Minimum 2 hour working time

Ready to receive  
Wall tiling (20°C): Approximately 24 hours

### Compressive Strength

After 28 days: 3.5-7.5N/mm<sup>2</sup>

### Tensile Bending Strength

After 28 days: approximately 3N/mm<sup>2</sup>

Reaction to Fire: Class A1

pH value: Fresh mortar containing cement, approximately 12

Refer to the DoP for more detailed test results

**NOTE:** The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

**TECHNICAL ADVICE HELPLINE**  
**01440 714939**

**ARDEX online**  
**[www.ardex.co.uk](http://www.ardex.co.uk)**