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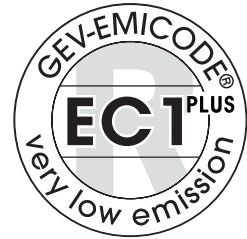
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JUNE 2018  
(SUPERSEDES MARCH 2018)  
PRODUCT DATA SHEET

# ARDEX F 5

## White Fine Repair Mortar



### Features

- Polymer Modified White Cementitious Fairing Coat and Lightweight Repair Mortar
- Ideal for the vertical and overhead repair of surface defects and damage
- MICROTEC Fibre Reinforcement
- Apply paints and other finishes the next day
- Can be used in areas subject to damp or at risk from water ingress
- Extended working time of 30 minutes
- Apply from feather edge to 50mm
- Slump free and easy to apply
- Internal and external use
- Brilliant White



What is the Rapidry Plus Formula?

It is the ability to totally bind the water used for mixing within the mortar, ensuring rapid drying and hardening properties



Reg No. FM 01207

EMS 565427

OHS 628374

ARDEX UK LIMITED  
Homefield Road, Haverhill, Suffolk CB9 8QP UK.  
Telephone: +44 (0)1440 714939  
Fax: +44 (0)1440 716640  
Email: [technical\\_admin@ardex.co.uk](mailto:technical_admin@ardex.co.uk)  
ARDEX online: [www.ardex.co.uk](http://www.ardex.co.uk)

# ARDEX F 5

## White Universal Repair Mortar and Fairing Coat

### DESCRIPTION

ARDEX F 5 is a brilliant white, cementitious, MICROTEC Fibre Reinforced Fairing Coat and Lightweight Repair Mortar.

### USE

For use in internal and external locations. Ideal for edge repairs, filling cavities, cracks, gaps and holes. ARDEX F 5 can be used for patch work and repairs on vertical and overhead surfaces, as well as for smoothing internal walls and ceilings prior to the application of paints, clear protective coats, renders, mineral render, silicone, varnish and rendering techniques. ARDEX F 5 can also be used on external facades and shop fronts.

### SUBSTRATE PREPARATION

Priming is not normally required. Surfaces must be sound, dry, clean and free from dust, grease and other barriers to adhesion. The use of ARDEX Degreaser is recommended for the removal of oils, waxes, curing agents and any other barriers to adhesion, from the substrate. Any residues of existing surface coatings, which are not firmly bonded to the substrate, must be removed prior to application. In-situ concrete should be at least 6 weeks old to allow for initial drying shrinkage to occur.

The product will adhere directly to absorbent construction boards, Concrete, cement/sand render or gypsum based plasters and does not require priming, a scratch coat is recommended. Dispersion based paints, and dispersion based mineral renders must be dry and able to take the expected load.

Polyurethane or varnish coatings, as well as loose renders, wallpaper and weakly adhered paints should be fully removed.

### MIXING

Approximately 12.5 litres of water are needed to mix 25kg of ARDEX F 5 Powder. Approximately 2.5 litres of water are needed to mix 5kg of ARDEX F 5 Powder.

Gradually add 2 parts by volume of powder to 1 part by volume of clean water while stirring, and thoroughly mix until a lump-free consistency is achieved. The use of a drill and appropriate mixing paddle, suitable for the volume to be mixed, is recommended.

Mixing by hand is possible for small quantities. Allow the product to stand for approximately 2-3 minutes to allow all of the high performance additives to fully dissolve and wet out, before remixing the product to a smooth creamy consistency.

The mixed product is easy to apply with a working time of approximately 30 minutes at 20°C.

### APPLICATION

Apply with a trowel, blade or filling knife from feather edge to 20mm thick, for small localised repairs can be applied up to 50mm thick. Holes should be filled gradually from the edges to help avoid any air bubbles. For maximum performance it is recommended that you apply ARDEX F 5 at approximately 20°C. The product has an open time of approximately 30 minutes and can be applied immediately at any required thickness.

Approximately 40 minutes after application at 20°C, proceed with subsequent smoothing if required. Do not sponge finish ARDEX F 5. The open time, hardening time and time for subsequent treatments, depends on the layer thickness applied and temperature. Higher temperatures shorten, and lower temperatures prolong the open time.

It is also possible to mix ARDEX F 5 with ARDEX FINE AGGREGATE for filling of minor cracks and rough substrates. The mix ratio is 1 part powder to 0.3 parts sand.

Do not add more water than stated in the mixing instructions. A trial application is recommended. ARDEX F 5 should be applied at temperatures above 5°C.

### VERY LARGE CRACK REPAIRS:

ARDEX F 5 is for non-structural repairs. Apply a suitable thickness of ARDEX F 5 for the situation involved and smooth with a steel float or blade. Apply a subsequent application of ARDEX F 5 with a suitable notched trowel (wet in wet) and apply a suitable reinforcement mesh before smoothing with the edge of a steel float or blade, encapsulating the reinforcement mesh. After approximately 40 minutes smooth over to remove any imperfections.

### DRYING TIMES

A 10mm application of ARDEX F 5 will be ready to receive subsequent finishes, such as paint or rendering systems, in as little as 24 hours at 20°C. For thicknesses above 10mm the drying time will be 2-3 days.

**NOTE:** For patch repairs observe the porosity and alkalinity of the substrate.

ARDEX F 5 layers are water vapour permeable. Follow the instructions of the paint and render suppliers.

The water vapour transmission rate for ARDEX F 5 is approx. 60µ. A conventional cement/sand mortar is approx. 25µ.

ARDEX F 5 can be used in areas of high humidity, such as swimming pool areas. For example, areas of walls and ceilings where ceramic tiling is not present.

### COVERAGE

ARDEX F 5 25kg Bag  
Approximately: 27m<sup>2</sup> @ 1mm. Approximately: 9m<sup>2</sup> @ 3mm.

ARDEX F 5 5kg Bag  
Approximately: 5.5m<sup>2</sup> @ 1mm.  
Approximately: 1.8m<sup>2</sup> @ 3mm.

### PACKAGING

ARDEX F 5 is packaged in paper sacks with a polyethylene lining - net weights 25kg & 5kg.

### STORAGE AND SHELF LIFE

This product must be stored in its original packaging, clear of the ground in cool, dry conditions and protected from excessive temperatures. If stored correctly, the shelf life of this product is 12 months. Ensure part-used bags are resealed.

**NOTE:** For the latest technical or health and safety information 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

According to ARDEX quality standards:	
Mixing ratio:	approx. 12.5 ltr water - 25 kg powder is equivalent to approx. 1 part water: 2 parts powder
Bulk density:	approx. 1.0 kg/ltr
Fresh mortar weight:	approx. 1.4 kg/ltr
Material requirement:	approx. 0.9 kg of powder per m <sup>2</sup> /mm
Working time:	approx. 30 minutes

### COMPRESSIVE STRENGTH

after 7 days:	approx. 7 N/mm <sup>2</sup>
after 28 days:	approx. 12 N/mm <sup>2</sup>

### TENSILE BENDING STRENGTH

after 7 days:	approx. 3.0 N/mm <sup>2</sup>
after 28 days:	approx. 5.0 N/mm <sup>2</sup>

pH value: approx. 11

Adhesion: ≥ 1.0 N/mm<sup>2</sup>

**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)**