



# ARDEX R 10 P

## Polyurethane Coving and Wall Render

HIGH PERFORMANCE, POLYURETHANE RESIN, WALL AND COVING SYSTEM, SUPPLIED AS FOUR COMPONENTS IN PRE-MEASURED PACKS FOR EASE OF ON SITE MIXING AND USE. THE CURED SYSTEM FORMS A TOUGH, EASILY CLEANED, PIGMENTED LAYER FROM A FEATHER EDGE UP TO 12MM THICK.

Hard wearing – extremely durable and abrasion resistant with low maintenance costs

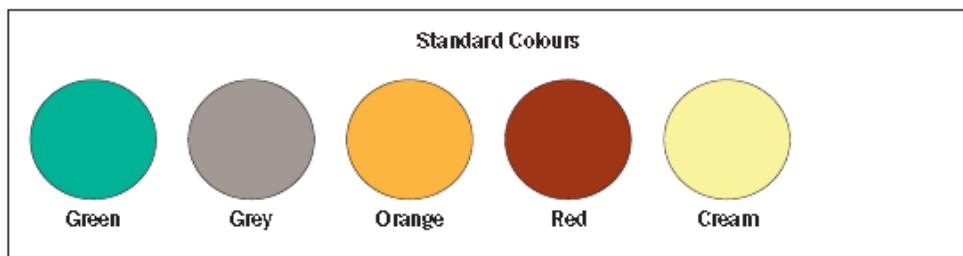
Resistant to a wide range of chemicals and liquids

Seamless – easily cleaned to maintain high standards of hygiene

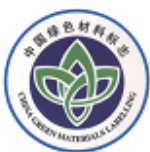
Resistant to thermal shock – at 9mm thick can withstand steam

cleaning regimes

Available in a range of colours



Due to printing process, colours can only be approximate



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### DESCRIPTION

Specialist applied, polyurethane resin, wall and coving finish, combining outstanding wearing properties with high chemical resistance and decorative properties. Ideally suited for aggressive areas where a seamless, joint free finish is required and maximum cleanliness is essential. Food processing and storage, abattoirs, drinks production, dairies and general heavy duty plant and traffic areas are just some of the environments that can benefit from this system.

### SUBSTRATE PREPARATION

The substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents laitance, adhesive residues etc., that will inhibit adhesion to the substrate. All vertical surfaces must be of a rigid construction to resist deflection during the application process. Use ARDEX DGR degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated substrates should be mechanically

prepared, either by grinding or contained shot blasting equipment or similar and be vacuumed clean prior to applying ARDEX R10P Polyurethane Coving and Wall Render in conjunction with ARDEX R3E.

**NOTE:** Any joints or cracks in the substrate where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface.

### PRIMING

All substrates must first be primed with ARDEX R3E or other ARDEX recommended primers. One or more coats of ARDEX R3E may be required depending upon the condition and porosity of the substrate. For further information on ARDEX R3E please refer to the Priming, Preparation, Cleaning and Maintenance for ARDEX Industrial Flooring Products leaflet.

### MIXING

Part A and Part B Resin Components of ARDEX R10P Polyurethane Coving and Wall Render must first be mixed together for 1 minute, using forced action, in a suitably sized mixing vessel. The contents of part C, the powder component and pigment sachet, should then be introduced into the mixed resin and mixed together for a further 2 minutes to create one homogeneous mix.

### APPLICATION

Once the tack coat has achieved the required tack, the mixed material should be applied to the prepared and primed substrate without delay using a trowel to achieve the desired thickness and coving profile.

**NOTE:** Do not overwork the surface and do not mix more than can be used within the working time.

The work area should be protected during the installation process and during the initial curing time to ensure that no airborne debris can contaminate the surface of the wet resin as this will lead to unwanted blemishes in the hardened, and cured surface.

All movement joints in the substrate must be carried through the wall and coving render and properly sealed. Construction joints and cracks not subject to movement may be overlaid but should the substrate move in any way, these defects will reflect through the wall and coving render. Isolation joints will need to be allowed for in areas where high thermal movement is anticipated, e.g. around ovens and freezers.

### LIMITATIONS

ARDEX R10P Polyurethane Coving and Wall Render should only be applied at temperatures above 5° C. Substrates should be dry and not affected by rising damp. Concrete or other cementitious substrates should have a surface tensile strength of at least 1.5 N/mm<sup>2</sup>.

ARDEX R10P Polyurethane Coving and Wall Render may be applied to substrates of a lower strength, but the long-term performance may be impaired. Once the mixed material has exceeded its pot life, the viscosity and the characteristics of the product will change, and any unused product should be discarded at this time.

### CLEANING TOOLS

ARDEX R10P Polyurethane Coving and Wall Render can be removed from tools and equipment by using ARDEX RTC Tool Cleaner, immediately after use. Any hardened material will need to be removed mechanically.

### PROPERTIES

The values shown are typical of results obtained in the laboratory at 20° C. Actual performance values obtained on site may vary from those quoted.

#### Physical properties @ 20° C Approximately

Pot life	10 mins
Light use	24hrs
Full use	48hrs
Full chemical cure	7 days
Bond strength	>1.5 N/mm <sup>2</sup>
Compressive strength:	45 N/mm <sup>2</sup>
Flexural strength:	11 N/mm <sup>2</sup>
Tensile strength:	5 N/mm <sup>2</sup>

### COLOURS

ARDEX R10P is available in five standard colours: green, grey, orange, red, cream. Other colours may be available to special order, subject to quantity and technical requirements.

ARDEX polyurethane floor systems are formulated to maximise the mechanical and chemical resistance properties, as a result of this, these types of systems are discoloured by ultraviolet light leading to a "yellowing effect". This yellowing effect is dependent upon the amount of UV exposure, both in terms of intensity and time, and is more noticeable with lighter colours.

### CHEMICAL RESISTANCE

ARDEX R10P Polyurethane Coving and Wall Render is resistant to a wide range of liquids and chemicals, for specific information please refer to the ARDEX Technical Services Department.

### MAINTENANCE

For information on cleaning and maintenance regimes please refer to the Priming, Preparation, Cleaning and Maintenance for ARDEX Industrial Flooring Products leaflet.

### COVERAGE

A 13.9kg pack of ARDEX R10P Polyurethane Coving and Wall Render will cover approximately 1.4m<sup>2</sup> at 5mm thick.

**NOTE:** These figures are theoretical, due to wastage and the variety and nature of substrates practical coverage figures may be reduced.

### PACKAGING

ARDEX R10P is packed in a four component pack consisting of parts A (resin) and B (hardener) packed in plastic bottles, part C (filler) packed in a bag, plus a sachet of pigment appropriate to product colour.

### STORAGE AND SHELF LIFE

Store in dry conditions between 5° and 30° C, protect from frost, humidity and direct sunlight. Storage life of part A not less than 12 months in the original unopened packaging and part B and part C not less than 6 months in the original unopened packaging.

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### PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Health and Safety Data Sheet.

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.