



SRO1277 Rendering Specification ARDEX WR 80 FR Acrylic Rendering Systems – Painted Surfaces

Scope

ARDEX WR 80 FR: Is a fine-medium grade render that is suitable for rendering walls both internally and externally. The normal application thickness is 2 – 10mm. When applied over a painted surface, the recommended application thickness is 2 – 5mm.

Note: **ARDEX WR 80 FR** render can be used over solvent based paints such as Alkyd enamel paint as long as the surface has been lightly roughened.

Limitations

ARDEX WR 80 FR must not be used over water based paints such as acrylic paint, styrene acrylic or latex paint, and also must not to be used over urethanes and epoxies. These paints are not intended to carry dead loads hence the thickness of a render becomes critical.

The majority of paints currently used on walls are water borne acrylics. External walls are likely be coated with texture coats or something similar. The paints used on internal walls are likely to be common acrylics.

The use of alkyds (solvent-based) paints is generally restricted to wet areas, wooden doors and skirting, and windows. These applications are where better resistance to staining and knocks is required.

This System Recommendation applies to wall surfaces that have been coated with alkali stable paints such as oil-based or hydrocarbon based paints. It does not apply to wall surfaces that have been coated with standard water-based acrylic paints.

Substrate - Painted Surface

ARDEX WR 80 FR can be applied over a painted surface under the following conditions:

- The underlying substrate must be suitable. E.g. Concrete, Masonry (Brickwork & Blockwork) and AAC Concrete Blocks and Panels (Hebel)
- The paint must be in good condition and must not be dirty, greasy, severely oxidized or flaky

Surface Preparation

The application surface must be clean and firm. It must be free of dust, dirt, oil, grease and loose or flaky paint.

Priming

The surface should be primed with **ARDEX WR Prime** (diluted 1:5 with water). The primer should be allowed to dry for 2 – 3 hours. It is also advisable to use the render with **ARDEX WR Prime** at a dilution rate of 1:5

Render Application

ARDEX WR 80 FR can be applied over alkyd (solvent-based) paints as long as the surfaces have been mechanically roughened or washed with a pressure cleaner to



ensure loose or unstable paint is removed. It is advisable to contact the paint manufacturer to determine whether the paint is suitable to be rendered over.

MIXING

Note: Safety precautions must be taken. i.e., eye protection, chemically resistant gloves and a dust mask must be worn.

1. Add approximately 3.5 to 4L of the [ARDEX WR Prime](#) / water mix to a bucket.
2. Gradually add 20kg of **ARDEX WR 80 FR** to the liquid whilst mixing with an electric mixer (slow to medium speed) to disperse the powder into a creamy, lump free consistency.

APPLICATION

Note: Safety precautions must be taken. I.e. Chemically resistant gloves must be worn.

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.

Drying Time

The render surface will generally be 'touch' dry in 1-2 hours @ 23°C.

It is not recommended to apply a second coat of render over prepared painted surfaces. It is expected that the surface of the render will reach full cure after 7 days.

Note: It is not recommended to tile over the existing render when it is applied over existing paint.

Finishing

It is recommended that the render be protected by the application of a decorative finish. (I.e. A paint or façade membrane such as [ARDEX WPM 310](#) or [Ardex WPM 330](#)).

Clean Up

All tools should be washed up immediately with water.

Disclaimer:

The recommendation selected is based upon questions answered on the ARDEX Australia website. This recommendation is designed as a general application for your described situation and should not be considered site specific documentation for general distribution. Always consult the latest relevant ARDEX Technical Bulletins and information on the product packaging and/or product data sheets (available on the ARDEX Website). Australian and other relevant standards should be followed during installation. If you have any further questions or would like further clarification please contact the ARDEX Technical Services Hotline on 1800 224 070 (9am to 5pm Monday to Friday).