

## PRODUCT DESCRIPTION

PlekoRender FFR is a high quality, single component polymer modified cementitious fair face render. It is composed of hydraulic binders, selected fine aggregates, bonding agents, and special chemical additives. It is easy to use by just adding water, improving on-site quality control.

## USES

Fairing coat used to repair surface from cracks, pinholes and other surface imperfections up to 3 mm in depth on concrete and plastered wall. Can also be used as pore sealer and finishing mortar for concrete, brickwork or masonry walls at up to 3 mm thickness; interior and exterior use.

## APPROVED SUBSTRATES

PlekoRender FFR can be used directly onto concrete, masonry, plastered & cementitious substrates (vertical or horizontal).

## PACKAGING

20 kg in multiply paper bag.

## COVERAGE

1.3-3.9 Kg/m<sup>2</sup> depending on application thickness and method. Recommended thickness between 1-3 mm

Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques.

## PROPERTIES

- **Easy to use**
- **Economical**
- **Water Resistant**
- **Extra Smooth Surface**
- **Superior Bonding Strength**
- **Interior & Exterior Use**
- **Factory Controlled Quality**

## TECHNICAL DATA

Appearance	Free-flowing Grayish powder
Bulk Density (Kg/L ± 0.5)	1.13
Water Demand (%)	30-32
Pot Life (min)	30-45
Tensile Bond Strength* (N/mm <sup>2</sup> )	≥ 3
Compressive Strength* (N/mm <sup>2</sup> )	≥ 20
Flexural Strength* (N/mm <sup>2</sup> )	≥ 5
Grain Size	0 to 0.1 mm

\*after 28 days

## INSTALLATION

### SUBSTRATE PREPARATION

Surface must be sound, clean, dry, free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form release agents and curing compounds. It should have been sufficiently cured in a way that any shrinkage has already occurred. Moisten slightly the substrate with clean water prior to application. Surface should appear damp with no water running.

### MIXING

Use a clean container free of all foreign substances for preparing and mixing material. Use a heavy duty electric drill and mixing paddle. Add in small increments while mixing thoroughly to achieve lump-free consistency. Avoid working excessively to prevent air entrapment. Let mixture set for 5 minutes and re-temper. Small amount of clean water may be added if necessary to improve workability, but do not add water once the mixed mortar starts to harden.

For further water resistance up to 1 liter of polymer from the PlekoBond product line can be included in the water.

## APPLICATION

Apply Pleko PlekoRender FFR using putty knife or steel trowel up to 3mm thick, allow to partly set before smoothing surface. If a very smooth finish is required, a small amount of water may be sprayed onto the surface prior to final troweling. Adding water to surface may result in surface discoloration.

If a second or smoothing coat is needed allow the first coat to completely set, wet the surface and apply second thin coat.

Note: The maximum recommended thickness is 3mm, however, PlekoRender FFR can be used to fill small blowholes up to 10 mm deep.

## CURING

Pleko PlekoRender FFR should be cured by spraying clean potable water. In hot and windy climate spraying surface with a PlekoCure is recommended.

## LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Protect from direct sunlight, wind and rain during application. For ambient temperatures above 35°C, use cool water for mixing to maintain mortar temperature below 30°C.

Do not mix with any additive or product unless recommended by Pleko.

Pleko bears no responsibility for the defects due to the improper or non-recommended use of the product.

## CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use. After hardening, tools should be cleaned mechanically.

## STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature between 4°C (40°F) and 38°C (100°F), in tightly sealed original container off the ground. Storage time must not exceed one year.

## HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust.

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention.

The product is non-flammable

### Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. Technical data are generated under laboratory conditions, some variations are expected due to weather, site, and application conditions which are beyond the control of the manufacturer. We reserve the right to change any given specification without notice.