Kilsaran KPRO FAÇADE | TECHNICAL DATA SHEET

RA-1 Render Accelerator

Description
KPRO Façade RA-1 is a colourless liquid render accelerator that accelerates the hardening time of rendering mortars to allow for scrapping and finishing. The addition of RA-1 to our Façade range of rendering mortars will allow typical scrape and finish times at 20°C, to be achieved at cooler temperatures of circa 5°C.

Applications
KPRO Façade RA-1 is suitable for use in the following applications,
- As an accelerating additive to speed up the hardening time of KPRO Façade UNO to allow earlier scrapping.
- As an accelerating additive to speed up the hardening time of KPRO Façade GP and DuraRend to allow for earlier finishing with sponge and wooden float.

Constraints
KPRO Façade RA-1 is **not** suitable for use in the following applications,
- As an 'anti-freeze' or 'frost-proofer' to allow rendering to continue at temperatures below +5°C. Work should not continue if frost is forecast within 24 hours of rendering, or if substrate is frozen or thawing.
- If rendering is taking place on large panels in hot weather.
- If substrate is hot.

Product Use
KPRO Façade RA-1 is suitable for use with hand mixed renders and diesel and electric render pumps.

Mixing: This product should be mixed with the rendering water as a partial gauging water replacement. KPRO Façade RA-1 must be added to the gauging water for the render **before** adding the powder, to ensure full dispersion.

For discontinuous render pumps (diesel, separate mixing and pumping chambers) added the liquid directly into the gauged mixing water in the mixer at the rate set out below,

Diesel pumps with separate mixing and pumping chambers (Discontinuous)	
85ml – 200ml	Per 25kg bag
510ml – 1200ml	Per 6 bag mix

For continuous render pumps (electric) added the liquid directly into the gauged mixing water vessel/ IBC at the rate set out below,

Electric pumps with combined mixing and pumping chambers (Continuous)	
0.85 litre – 2.0 litre	Per 100 litre water
1.90 litre – 4.40 litre	Per 220 litre (plastic barrel) water
8.50 litre - 20.0 litre	Per 1000 litre (IBC) water

Benefits
- Colourless liquid.
- Can achieve similar scrape and finishing times in cooler conditions to that of summer working.

Application Temperatures
+5°C to +30°C

Health & Safety
Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size
- 20 litre drums

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KPRO QP10 Quartz Primer

Description
KPRO QP10 is a dispersion of synthetic resins to prime the substrates for application of thin layer renders, putties and paints. The quartz fine aggregates increase bond strength whilst making the surface rough and scratch resistant.

Applications
KPRO QP10 facilitates the application of thin coat renders to smooth substrates with a formulation of synthetic resin and fine quartz aggregates. The priming layer increases the adhesion of thin coat renders, and shadow formation is prevented due to the homogenous and highly opaque structure.

Product Use
KPRO QP10 is ready to use and can be applied to internal or external wall surfaces which include reinforced basecoats, traditional cement based render, plasterboard, concrete and strong well bonded paint coats.

Substrate Preparation:
The substrates to be coated with KPRO QP10 should be smooth, even, dry and free from any substances that decrease adhesion: grease, bitumen, dust, etc. Any dirt or weak coats should be removed. The existing adhesive or lime paint coatings should be removed. The surface should be washed with water. Any defects or gaps in the render should be filled in. The absorptive substrates, e.g. gypsum plasters, chip boards, nonimpregnated gypsum cardboards should have a liquid based suction control primer applied and then left to dry for approximately 2 hours.

Application:
The contents of the container should be stirred before use. Neither rusty containers nor tools should be used. Do not dilute the paint! It is recommended to apply the primer in a single even layer by roller or brush. Drying time is approx. 3 hours. Tools and fresh stains should be washed with water.

Please Note:

The priming paint should be applied in the ambient temperature and that of the substrate from +5 °C to +25 °C and the humidity below 80 %. In case of contact with eyes, they should be rinsed with water and the general practitioner should be consulted.

When using KPRO QP10 for use below a thin coat render, tinting to the appropriate colour is recommended. Please consult Kilsaran for further advice.

Technical Data

KPRO QP10 – Quartz Contact Primer	
Base	water dispersion of synthetic resins with mineral fillers
Density	1.5kg/dm³
Assumed Consumption	from 0.2 to 0.35 l/m2 / from 0.3 to 0.5 kg/m2 depending on the smoothness and absorption of the substrate
Drying Time	Approx. 2-3 hours

Benefits
- Easier application of thin renders
- Increased bond strength
- Waterproof
- Vapour permeable (breathability)
- High Opacity
- Roller or brush application
- Ready to use
- Can be tinted to suit render colours

Application Conditions

+5°C to +25°C

< 80%

Shelf Life – Up to 12 months when stored in dry cool conditions

Protect against frost and direct sunlight!

Health & Safety
Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size
- 15kg recyclable buckets made from 100% recycled plastic

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QPX Bonding Primer

Description

QPX is a quartz infused, high-performance and fast-setting bonding primer that comes pre-mixed and is based on a solvent-free acrylate formulation. Engineered for versatility, it is suitable for application on both absorbent and non-absorbent surfaces, making it ideal for a wide range of substrates. Whether used for interior or exterior projects, this primer delivers a textured, gritty finish that significantly enhances the adhesion of subsequent layers. Its advanced formulation ensures reliable performance and durability, providing an optimal base for GP Render, UNO.

Applications

This product functions as both a bonding agent and a sealant, suitable for a wide range of non-absorbent and absorbent surfaces, indoors and outdoors. It is especially effective for preparing wall surfaces before applying renders and is compatible with various substrates, including cements, plasters, plasterboard, fiberboard, brickwork, concrete, limestone, tiles, steel, and glass. Avoid using it on surfaces that will experience permanent or prolonged water exposure, as this may affect its performance.

Product Use

Proper preparation of all substrates is essential for ensuring the success and durability of any installation. To achieve optimal results, it is critical that all substrates are rigid, level, clean, dry, and structurally sound. Any contaminants that could compromise adhesion, such as dirt, oil, grease, laitance, sealers, waxes, and curing agents, must be removed prior to application. Substrates must be robust enough to support not only the weight of the primer or bonding agent but also the combined weight of all subsequent layers, including finished renders and any additional fixtures.

Applying: Before application, ensure that the product is thoroughly stirred to achieve a uniform consistency. When applying the primer, use a roller for best results. For non-absorbent substrates, the primer should be applied in its undiluted form to ensure maximum adhesion. For absorbent substrates, dilute the primer with water in a 1:1 ratio before application. This dilution allows for better penetration and bonding on porous surfaces, enhancing the effectiveness of the primer.

Drying Time: The drying time of the primer is influenced by both temperature and humidity. At a temperature of +15°C and a relative humidity of 50%, the drying time is approximately 60 minutes on absorbent surfaces and about 120 minutes on non-absorbent surfaces. Subsequent layers can be applied while the primer is still fresh on absorbent substrates. However, on non-absorbent substrates, such as vitreous tiles, steel, glass, and glass fibre-reinforced concrete, it is important to allow the primer to fully dry before applying additional layers.

Technical Data

Application Temperature	Substrate and Ambient temperature must be between 10 °C and 35°C
Colour	Green
PH	6.7 – 7.5
Viscosity	5,000 – 10,000 cp
SG	1.2 – 1.3
Content of Solids	57 – 62 %
VOC	≤10g/L

Benefits

- Consistently high-quality primer
- Designed for promote for single or multi coat applications
- Increased productivity
- Breathable
- Excellent workability and adhesion
- Ready to use
- Promotes cleaner and safer sites

Approximate Yield

Substrate Type	Coverage rate
Smooth, non-	Approx 50g/m²
+10°C to +35°C	) g/m²

Application Temperatures

Health & Safety

Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size

- 20kg Bucket

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