

# Product Data Sheet

## HP12 BASE COAT

HP12 Base uses 'High Polymer' technology for cost-effective enhanced performance on difficult substrates. It is ideal for use as a stipple coat or for dense backgrounds and has increased water resistance and adhesion. Incorporation of Alkali Resistant Reinforcing Mesh may be required. K Rend HP12 Base can also be used as an insulation bedding adhesive as part of a fixing system (with appropriate fixings) for polystyrene insulation boards onto masonry substrates.

## FEATURES AND BENEFITS

HP12 Base is polymer modified and cement-based to ensure flexibility and strength. It is designed to be used over 'difficult substrates' such as dense concrete and render carrier boards as well as onto blockwork, masonry or stone backgrounds.

HP12 Base is normally applied in one coat by hand or render spray machine to a depth of 6-8mm. It can be ruled off to a flat finish and scratched lightly to provide a key for subsequent K Rend finishes or floated smooth and sponged ready for K Rend Thin Coat renders.

HP12 Base can be used in some instances as part of a waterproofing system. It has been used as a backing coat for swimming pools, and in house tests show excellent resistance to chlorinated water. Specialist technical advice must always be sought prior to use in this type of application. Due to its outstanding adhesion K Rend HP12 Base Coat also makes an excellent stipple or scud coat.

### Coverage:

1.8kg / mm thick / m<sup>2</sup>

### Powder Requirements:

8-11kg/m<sup>2</sup> approx. nominal 4 - 6 mm thickness

## KITEMARK CLASSIFICATION

Compressive strength: CS IV

Capillary Water Absorption Category: W<sub>c</sub> 2 Thermal

Conductivity: P=50% - 0.55 W/m·K

## APPLICATION

- For hand application, add 5-6 litres of clean water per 25kg sack
- Using drill and paddle or drum mixer, mix for 5 minutes, rest for 5 minutes then mix for a further 3-5 minutes mins to ensure dispersion of all additives
- Apply by hawk and trowel
- If the next coat is to be a K Rend finish form a light key by scratching as per good render practice
- Alternatively float to a flat finish
  
- For application through electric or diesel plastering machines, the optimal settings should be checked with Kilwaughter Minerals Ltd prior to mixing.

### *As Bedding Insulation Adhesive*

- Mix as above.
- Apply by hawk and trowel to insulation board in a continuous line around the perimeter and additional dabs in the centre; at least 50% of the board should be covered.
- Alternatively apply with a notched trowel over the entire face of the board. Press the boards firmly onto the masonry substrate

## IMPORTANT INFORMATION

### Site Conditions

- Do not apply in temperatures below 5 °C or above 30 °C.
- Do not apply if frost is forecast within 24 hours or in damp/wet conditions.
- Ensure substrate temperature is above 3 °C and below 30 °C before application.
- Avoid application to elevations in direct sunlight.

### Packaging and Storage

HP12 is supplied in 25 kg paper sacks, palletised and shrink wrapped. Store unopened, off the ground in a dry location at temperatures greater than 5 °C. When stored in these conditions, the shelf life of HP12 is 12 months from the date of manufacture.

## Quality Control

All K Rend products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

## Health and Safety

This product contains cement. Full health and safety advice can be found on the HP12 Safety Data Sheet. It is advised that users wear safety goggles, face mask, gloves and coveralls when using cementitious products.

Portland cement contains Chromium (VI) which may produce an allergic reaction. Harmful by irritation. Irritating to eyes and skin. In case of contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Keep out of reach of children. Clothing contaminated with wet cement should be removed immediately and washed before reuse.

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