

Crown Jewel Permaplast

Product Description

Type: An Exterior Emulsion based on acrylic co-polymer, designed for use in projects.

Uses: Decoration and protection of exterior surfaces where a tough, flexible, smooth finish offering maximum protection of walls and masonry against severe tropical weather and to resist attack by mold and algae.

Substrates: Suitably primed or skimmed and undercoated, exterior cement plaster, concrete, block work, boards, brick and stone

Advantages: UV, mold, fungus and algae resistant. Good hiding power. No primer required on new and previously painted (sound) surfaces. Allows new walls that contain moisture to breathe/dry out. Good flexibility and durable.

Conditions during application: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, measured near the substrate. Good ventilation is required in confined areas to ensure proper drying.

PRODUCT DATA:

Colour Range: Available White, Black and selected shades from Ambiance, RAL, BS 4800 and various colour charts through dispensing system.

Pack Sizes: 1 litre, 4 litres and 20 litres

Finish: Matt

Solids by mass: 54 ± 2%

Specific Gravity: 1.36 – 1.4 (Theoretical only for White colour)

VOC: <10g/L. Theoretical value. Actual value will vary based on test methodology, accuracy of equipment used and test conditions

Thinner & equipment cleaner: Water

Dilution Ratio: Maximum 15% by volume with water. Avoid over-thinning as this will affect the opacity. Stir well before use.

Drying Times: Surface dry 30min max. Dry to overcoat – 3hrs

APPLICATION DATA:

The product can be applied by: Brush, roller or spray.

Film Thickness per coat: DFT: 35 - 45µm

TECHNICAL DATA SHEET



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Spreading Capacity per coat: Depends on film thickness applied, type of texture, surface porosity, imperfections, temperature & wastage during painting.

Surface	Spread Rate m ² /L
Smooth Plaster	9 – 11.5
Wood-floated Plaster	7 - 9
Concrete Blocks	4 - 6
Rough and textured plaster	2 - 4

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Surface preparation & Paint System:

Surface	Preparation	Primer/ Undercoat	Topcoat
New Plaster	Remove loose particles. Skim using Crown Walplast Cement Putty	1 - 2 coats Interior/ Exterior Emulsion Undercoat or Crown Jewel Permaplast diluted up to 15% by volume with water	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water
Emulsion painted surface in sound condition	Sand and clean. Fill dents with appropriate filler	None	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water
Oil based enamel painted surface in sound condition	Sand down and clean. Fill dents with appropriate filler	1 - 2 coats Universal Undercoat diluted up to 10% by volume with White Spirit	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water
Loosely bound & lime-washed, cement painted, Gypsum filler applied surfaces or chalky wall	Remove chalking down to a firm base. Fill dents with appropriate filler	1 - 2 coats Crown Penetrating Primer undiluted or 1 – 2 coats Interior/ Exterior Emulsion Undercoat diluted up to 15% by volume with water	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water
Wood	Sand along the grain	Crown White/ Aluminium Wood Primer followed by Universal Undercoat diluted up to 10% by volume with White Spirit	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water
Boards	Sand	1 – 2 coats Acrylic Primer Sealer Undercoat diluted up to 15% by volume with water	1 - 2 coats Crown Jewel Permaplast diluted up to 15% by volume with water

Precautions:

1. When over-coating walls in sound condition previously painted with a water-based paint of the same shade, the application of 1 coat may be enough.
2. When over-coating a dark surface or if distinct colour change is required then apply 1 - 2 coats of Crown Interior/ Exterior Emulsion Undercoat to obtain obliteration of the original colour, prior to applying 2 coats of Crown Jewel Permaplast
3. Choice of colours – for technical reasons (often dependent upon pigment origin and type) an additional coat will often be required when using certain shades (particularly bright yellows, greens, violets, oranges, reds – refer colour card for details). The use of these colours should be avoided on medium and low-cost projects. Where these low opacity colours are to be used on bare plaster, or for over-coating dark colours, the application of a first coat of a paler shade offering superior coverage is recommended. Consult Crown Technical Department for advice.

TECHNICAL DATA SHEET



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4. For chemical reasons, certain dark colours offer less resistance to fading when subjected to ultraviolet light, especially in tropical climates.

Availability: From Crown Depots and for projects only. Not for retail sales.

Storage Conditions: Store under cool dry conditions away from direct sunlight, heat and extreme cold.

Disclaimer: The recommendations contained herein are given in good faith and meant to guide the user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Crown Paints Kenya PLC control.

Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). Crown Paints Kenya PLC reserves the right to amend the TDS without any further notice.

It is the responsibility of the user to ensure that the latest TDS is being used for reference.



Irritant

For additional health & safety information, please refer to our Material Safety Data Sheet (MSDS)