

Crown Universal Undercoat

Product Description

Type: An alkyd-based undercoat for interior and exterior use.

Recommended use: As an intermediate coat to improve inter-coat adhesion between a primer and a topcoat, when changing from an existing solvent based topcoat to a water based topcoat and vice-versa, as a general-purpose undercoat on previously painted or primed substrates to provide additional film build for extra protection and when changing from very dark shades to light shades.

Substrates: Primed or previously painted plaster, wood, metal, plastic, fibreglass etc

Advantages: Can be overcoated by oil and water-based topcoats. Economical. Excellent opacity. Hides minor irregularities. Suitable for interior and exterior use

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: White

Pack Sizes: ½Litre, 1 litre, 4 litres & 20Litres

Finish: Matt

Thinner & equipment cleaner: White Spirit

Dilution Ratio: Maximum 10% by volume with White Spirit. Avoid over-thinning as this will result in low coverage. Stir well before use and intermittently during use.

Drying Times: Surface dry < 4hrs & Hard dry <16 hrs

APPLICATION DATA:

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

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

13– 17 m²/l per coat. Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

TECHNICAL DATA SHEET



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Surface preparation & Paint System:

Surface	Preparation	Primer	Undercoat	Topcoat
New, dry, unpainted plaster, Brick, Stone, concrete	Remove loose particles. Moisture <3%	Crown Plus 3 Masonry or Alkali Resisting Wall Primer diluted up to 10% with White Spirit	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1 -2 coats Appropriate Oil or Water based topcoat
Previously painted surface in sound condition	Sand and dust off	None	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1-2 coats Appropriate Oil or Water based topcoat
Loosely bound or flaking surfaces	Remove all flaking paint down to a firm base or original building	1 coat of appropriate primer	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1-2 coats Appropriate Oil or Water based topcoat
Steel	Remove oil or grease with White Spirit or degreaser. Remove rust with Rust Remover. Rinse till water break free & allow to dry	1 coat of Zinc Phosphate or Chromate Primer with minimal dilution	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1- 2 coats Appropriate Oil based topcoat
Aluminium & Galvanised iron	Clean with White Spirit or degreaser. Rinse till water break free & allow to dry.	1 coat of Mordant solution or 1-pack Etch primer followed by 1 coat of Zinc Phosphate Primer with minimal dilution	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1-2 coats Appropriate Oil based topcoat
Wood	Sand along the grain with P240 -P320 sandpaper and dust off	1 coat Crown White Wood or Aluminium Wood Primer diluted up to 10% by volume with White Spirit	1-2 coats Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1-2 coats Appropriate Oil or Water based topcoat

Precautions:

1. To avoid shade variation, especially for projects, ensure that batch numbers match. Blend different batch numbers prior to applying
2. Not recommended where chemical and solvent resistance are required
3. Avoid applying heavy coatings above 50µm DFT to prevent wrinkling
4. Avoid the use of cheap solvents as these may affect drying time

TECHNICAL DATA SHEET



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Availability: From Crown Depots in Nairobi, Kisumu, Mombasa, Meru, Nyeri, Eldoret, Arusha, Mwanza, Dar es Salaam, Kigali and through Crown Stockists.

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.



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