

TECHNICAL DATA SHEET



Ngao Gloss Enamel

Product Description

Type: An alkyd/ oil based economical enamel

Uses: Ideal for decorating and protecting interior surfaces.

Substrates: Suitably primed interior steel, timber and masonry such as door and window frames, signwriting, handrails, trim work, plastic, fibreglass as well as bathroom and kitchen walls

Advantages: Smooth, high gloss washable & stain resistant finish. Wide colour range.

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. The moisture content in the substrate should not exceed 3% (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

PRODUCT DATA:

Colour Range: Available in 51 colours from Ngao shade card.

Pack Sizes: ¼ Litre, ½ Litre, 1 litre, 4 litres and 20 litres

Finish: High gloss

Thinner & equipment cleaner: White Spirit

Dilution Ratio: Maximum 10% by volume with White Spirit. Avoid over-thinning as this will affect the opacity. Stir well before use.

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

APPLICATION DATA:

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

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

8 – 10 m²/l per coat when applied over Crown Undercoat on a smooth surface.

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

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DIRECTIONS FOR USE

Surface preparation & Paint System:

Surface	Preparation	Primer/ Undercoat	Topcoat
New Plaster, Brickwork	Remove loose particles. Moisture content < 3%	Crown Plus 3 Masonry or Alkali Resistant Primer diluted up to 10% by volume with White Spirit	2 – 3 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Emulsion painted surface in sound condition	Sand down and clean	None required if in good condition unless a drastic colour change is required.	2 – 3 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Oil based enamel painted surface in sound condition	Sand down and clean	Crown Universal Undercoat diluted up to 10% by volume with White Spirit	2 – 3 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Loosely bound & lime-washed or distempered surfaces	Remove all flaking paint down to a firm base or original building	Crown Penetrating Primer with no dilution	2 – 3 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Wood & boards	Sand along the grain & dust off	Crown White Wood Primer diluted up to 10% by volume with White Spirit	2 – 3 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Mild Steel	Degrease with White Spirit or degreaser. Remove rust with Rust Remover. Rinse with clean water till water break free	Ngao Red Oxide Primer diluted up 10% by volume with White Spirit	2 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Galvanised Iron/ Stainless Steel	Apply Mordant Solution or 1-pack Etch Primer	Crown Universal Undercoat diluted up to 10% by volume with White Spirit	1 – 2 coats Ngao Gloss diluted up to 10% by volume with White Spirit
Plastic & Fibreglass	Apply 1-pack Etch Primer		1 – 2 coats Ngao Gloss diluted up to 10% by volume with White Spirit

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 35µm DFT to prevent wrinkling

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

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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)