

Duco Cellulose Enamel

Product Description

Type: A single pack, Nitrocellulose based, spray applied, finishing paint

Recommended use: As finishing coat on new or repaired vehicles. Also used extensively in the industrial field for

finishing switchboards, transformers, metal and wooden furniture, cabinets, etc.

Substrates: Suitably primed mild steel, galvanised iron, aluminium, fibreglass and wood.

Advantages: Rapid drying. Excellent gloss, flow, hardness and abrasion resistance. Good exterior durability and colour retention.

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: A range of solid colours, toners and metallic silver plus clear.

Pack Sizes: ½ Litre, 1 litre and 4 litres

Finish: Gloss. Matt can also be made

Thinner & equipment cleaner: High Gloss Thinner

Solids: 26% - 30% (by weight).

Supply Viscosity: 118 – 122 KU @25°C.

Dry Film Thickness: 40 - 45 µm.

Gloss: More than 80% @ 20° angle

Pencil Hardness: Passes 2H (after 24 hours)

Flexibility: 5-6 mm (Erichsen Cupping)

APPLICATION DATA:

The product can be applied by: Spray.

Mixing Ratio: 1-part Paint: 1 part High Gloss Thinner (by volume)

Application Viscosity: 20 -22 seconds B4 Cup @25°C

Application Pressure: 45 -50 PSI

TECHNICAL DATA SHEET



If you like it... Crown it!

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

4 – 6 m²/l per coat dependent on texture and overspray losses. Overspray losses can be as much as 30 - 40%

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

Drying time

Surface Temperature	Touch Dry	Overcoating/ Repair Time	Hard Dry
15 – 25°C	10 minutes	45 minutes	2 hours
26 – 30°C	6 – 8 minutes	30 minutes	1½ hours
31 – 35°C	3 – 5 minutes	20 minutes	1 hour

Surface preparation & Paint System:

Surface	Preparation	Primer	Topcoat
New Mild Steel	Degrease. Repair dents. Sand with P80 – P120 sand paper	Duco Cellulose Primer Surfacer Grey	2 -3 coats Duco Cellulose Enamel
New Galvanised Iron, Aluminium & Fibreglass	Degrease. Repair dents. Sand with P80 – P120 sand paper 1 coat 1K Etch Primer	Duco Cellulose Primer Surfacer Grey	2 -3 coats Duco Cellulose Enamel
New wood	Ensure the wood is dry Sand along the grain with P320 sandpaper Dust off with cloth dampened in thinner	Duco Cellulose Primer Surfacer Grey	2 -3 coats Duco Cellulose Enamel
Previously painted surfaces in sound condition	Remove loose paint Remove rust with rust remover Sand with P320-P400 sand paper	Duco Cellulose Primer Surfacer Grey	2 -3 coats Duco Cellulose Enamel

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.

TECHNICAL DATA SHEET



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