

Mordant Solution / Passivating Wash

Product Description

Type: A blue, aqueous acidic solution with metal salts

Uses: For chemically etching new, smooth/ polished metal surfaces to provide adhesion for subsequent paint system.

Substrates: Galvanised Iron, Stainless Steel, Aluminium, Brass, Copper, and alloys

Advantages: Non-flammable and non-conductive. No heating is required upon application and it is water-soluble. Cost effective, easy to apply and 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. 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: A light blue solution which, when applied, creates a semi-transparent blue/black effect

Pack Sizes: 1 Litre and 5Litres

Finish: Matt

Thinner & equipment cleaner: Water

Dilution Ratio: Supplied ready for use. Do not thin. Stir well before use.

Application: Apply a liberal coat of Crown Mordant Solution by brush and allow to dry. If the surface fails to turn black overall, the most likely cause is contamination of the surface or the presence of a factory applied pretreatment. Rinse the surface thoroughly and sand using P320 or finer sandpaper. Remove all residues and re-apply Crown Mordant Solution. Avoid over-application as pooling of the wash will result in the formation of a fine brown deposit of copper. After treatment the surface must be rinsed with clean water to remove all residues and then allowed to dry before priming. The pre-treated surface should be overcoated with an appropriate metal primer within 48 hours or before contamination can recur

Drying Times: Leave on the surface for about 15 minutes – 1 hour then rinse with clean water to remove acid residues.

APPLICATION DATA:

The product can be applied by: Brush. Do not spray as acid may be spread into air and cause harm

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

18-20 m²/l when applied to smooth, non-porous surfaces

DIRECTIONS FOR USE

Surface preparation & Paint System:

Surface	Preparation	1 st coat	2 nd coat
Smooth metal surface	Ensure surface is sound, clean and dry and free from all defective or poorly adhering material such as dirt, grease and wax. Degrease where necessary with Crown White Spirit or a commercial degreaser. Rinse with clean water to remove residues. Special precautions should be taken during surface preparation of very old paint as they may contain harmful lead.	1 thin coat Crown Mordant Solution	Only if 1 coat has not been effective. 1 coat Crown Mordant Solution

Precautions:

1. Material contains acid which is corrosive
2. Wear adequate protective clothing during use and avoid skin contact
3. Discard any leftover materials in accordance with local regulation.

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.



Toxic/Harmful



Harmful/Irritant



Dangerous for the Environment

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