

Crown Aqua Glow (Water-Based Enamel)

Product Description

Type: Crown Aqua Glow (water-based enamel) is a premium quality high gloss interior/exterior paint, based on acrylic emulsion, designed for masonry and pro industrial application topcoat for an eco-system. This topcoat offers durable and non-yellowing gloss finish with excellent adhesion and high UV resistance. This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

Uses: Decorative and protective purposes on interior/exterior masonry, concrete, marginally prepared metal, wood etc. surfaces.

Substrates: Suitably prepared skimmed, primed, or undercoated Concrete/Masonry, Concrete Block, Cement plaster, Boards, Wood, Steel, Aluminum, Galvanizing.

Advantages: Very low odour and VOC, mildew resistant, high gloss decorative and pro industrial coating, highly washable, excellent alkali resistance, long lasting and gloss retention, excellent adhesion, high UV and weather resistances, faster drying than oil-based paints. Free from harmful chemicals or metals.

Application condition: Temperature: 10°C minimum, 40°C maximum (Applicable for air, surface, and material) and at least 3°C above the dew point of the air, measured in the vicinity of the substrate. Relative humidity: 85% maximum.

PRODUCT DATA:

Colour Range: White and available over 11,000 colors from Ambiance, RAL, BS 4800 and various colour charts through dispensing system.

Pack Sizes: 1lit, 4lit and 20lit (Plastic bucket)

Finish: Glossy/Smooth

Gloss Level: 75 – 90 @ 60° angle (on glass panel)

Solid Volume: 47 ± 2% (For White and Pastel)

Specific Gravity: 1.18 ± 0.05 (For White and Pastel)

Flash Point: N/A

Thinner & Cleaner: Fresh water (Do not use hydrocarbon solvents for cleaning).

Shelf Life: 3 Years (in original sealed containers, with proper storage conditions).

APPLICATION DATA

The product can be applied by Brush, Roller, or Spray.

This Technical Data Sheet supersedes all those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Material Safety Data Sheet (MSDS) for this product. Please visit our website at www.crownpaints.co.ke

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Dilution Ratio: Depends on method of applications.

Brush (Nylon / polyester) -Maximum 5% by volume (Due to this product's fast dry performance, brushing should be limited to small areas where a wet edge can be maintained).

Roller (1/4" woven)- Maximum 7% by volume.

Conventional Spray- Maximum 10% by volume. (Nozzle-63C, Air Nozzle-63FB, Atomization Pressure-60 PSI, Fluid Pressure-50 PSI).

Apply paint at the recommended film thickness and spreading rate as indicated. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build. Excessive dilution of material can affect gloss, film build, appearance, and adhesion. Diluted paints to be used within 12 hours.

Drying Times @25°C: Surface dry: 30 minutes & Dry to Recoat :4-6hrs.
Drying and recoat times are temperature, humidity, and film thickness dependent.

Film Thickness/coat: DFT: 40 - 50 μm / WFT: 85 - 106 μm

Theoretical Spreading Rate/coat: 11.8 – 10.0 m^2/lit .

(Depends on film thickness, type of texture, surface porosity, imperfections, temperature, and wastage during painting. Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa).

Surface preparation & Paint System:

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 28 days at 25°C. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard, or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean. Remove all oil and grease from the surface. For better performance, use Commercial Blast Cleaning. Suitable anticorrosive primer recommended for the best performance.

Aluminum - Remove all oil, grease, dirt, oxide, and other foreign material. Suitable primer recommended for best performance.

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Galvanizing-Solvent Clean. The surface has been treated with chromates or silicates, first and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning, prime the area the same day as cleaned. Suitable primer recommended for best performance.

Surface	Primer/ Undercoat	Topcoat
New Plaster	1.Interior/ Exterior Emulsion Undercoat-1 Coat 2. Crown exterior cement putty- 1 - 2 Coats 3. Interior/ Exterior Emulsion Undercoat-1 Coat	Crown Aqua Glow (water-based enamel) -2 coats (minimum) (Recoating interval time must be given)
Emulsion painted surface in sound condition	1.Crown Universal Undercoat -1 Coat	Crown Aqua Glow (water-based enamel) -2 coats (minimum) (Recoating interval time must be given)
Oil based enamel painted surface in sound condition	1.Crown Universal Undercoat 1-2 Coats	Crown Aqua Glow (water-based enamel) -2 coats (minimum) (Recoating interval time must be given)
Loosely bound & lime-washed, cement painted, Gypsum filler skimmed surfaces	1.Crown SB Clear Primer 1 – 2 coats 2. Crown exterior cement putty- 1 - 2 Coats 3. Interior/ Exterior Emulsion Undercoat-1 Coat	Crown Aqua Glow (water-based enamel) -2 coats (minimum) (Recoating interval time must be given)
Wood	1.Crown Universal Undercoat -2 Coats	Minimum 2 coats Crown Aqua Glow (water-based enamel) diluted up to 7% by volume with water
Boards	1.Crown Universal Undercoat -2 Coats	Minimum 2 coats Crown Aqua Glow (water-based enamel) diluted up to 7% by volume with water

Precautions:

1. When over-coating a dark surface or if distinct colour change is required then apply 1 coat of Crown Universal Undercoat to obtain obliteration of the original colour, prior to apply Minimum 2 coats Crown Aqua Glow (water-based enamel) diluted up to 7% by volume with water.
2. Depending on surface nature the number of topcoats may vary to obtain optimum gloss level.
3. No painting should be done immediately after a rain or during foggy weather.
4. Do not paint on wet surfaces.
5. Check adhesion by applying a test strip to determine the readiness for painting.

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

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Storage Conditions: Store the paint in proper storage conditions as per the local regulations. Store under cool dry conditions away from direct sunlight, heat and extreme cold. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.



Irritant

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

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If you like it... Crown it!
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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)

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