

Braemar Topcoat

TECHNICAL DATA

Braemar Topcoat is a high quality, pure acrylic coating for interior and exterior use. The product is washable, alkali- and scrub-resistant and has superior durability of up to 7 years in normal weather conditions.



Technical information

Physical form

Non-flammable viscous liquid containing pigments and extenders. May have slight ammonia odour

Generic type

Vinyl latex

Colour

White (colour range available)

Finish

Smooth and sheen finish

Practical spread rate

Approx. 8sqm per litre per coat

Fillers

Non-toxic extenders

Pigments

Weather and light resistant types only

Storage

Store indoors

Temperature 4 - 43°C

Humidity 0 - 90%

Shelf life

24 months minimum when stored at 25°C

Temperature resistance

(Non-immersion)

Continuous 93°C

Non-continuous 121°C

Physical properties

Relative density 1,23

Volume solids 26%

Viscosity (KU) 104-108

Flash point

Not flammable in liquid form

Packaging

1 litre / 5 litre / 20 litre (plastic buckets)

Overcoating

Not designed for overcoating with enamel or other solvent based paints

Features

- Excellent UV and weather resistance
- Semi-gloss sheen finish
- Meet the most stringent VOC regulations (volatile Organic Content)
- Non-chalking formulation.

Applications

- All suitably prepared interior and exterior surfaces where a durable sheen finish is required
- As a top coat for primers when used over steel substrates
- For the protection of concrete or masonry in new or maintenance applications
- Not recommended for Immersion services.

Application instructions

General

- Supplied ready for use
- Apply using a high quality roller suitable for water-based paints such as lambs wool or propile
- Always apply paint to give a uniform film thickness to avoid sheen variations in the dry coating.

Thinning

- Not recommended but if required to reduce viscosity add a minimum quantity of water
- Excessive dilution degrades the quality of the product

Equipment cleaning

- Do not allow the product to dry on the equipment
- Clean using water.

Surface preparation

- Remove any oil or grease from the surface to be coated, followed by a rinse of clean potable water.

Steel

- Apply over clean, dry recommended primers.

Concrete

- Can be applied directly to dry concrete
- Remove laitance by abrasive blasting or other means
- Do not coat concrete treated with hardening solutions unless test patches indicate satisfactory adhesion
- Do not apply coating unless concrete has cured for 28 days at 21°C and 50% RH or similar time.

Spray

The following spray equipment has been found suitable and is available from manufacturers such as Binks, De Vilbiss and Graco:

Conventional

- Pressure pot equipped with dust regulators, 12mm minimum ID material hose, 2mm fluid tip and appropriate air.

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Airless

- Pump ratio 30:1 (min)
- GPM output 3,0 (min)
- Material hose 10mm ID (min)
- Tip size 15-19 thou
- Output PSI 1800 (124 bar)
- Filter size 60 mesh

Teflon packings are recommended

Brush

- Use a synthetic bristle brush, applying with full strokes
- Avoid excessive rebrushing.

Health and Safety advice

- This product is water based and presents very little toxicity or flammability hazard
- However precautions should be taken to minimise skin contact by wearing protective clothing and gloves
- If body contact is made, rinse off immediately. Wash product off skin before it dries using soap and water
- Contact with eyes should be prevented by wearing goggles. If eye contact is made, irrigate immediately to remove paint while still wet.



Application temperatures

	Material	Ambient	Surfaces	Humidity
Normal	16-32°C	18-32°C	18-29°C	10-85%
Minimum	10°C	10°C	10°C	0%
Maximum	38°C	49°C	54°C	90%

- Do not apply when the surface temperature is less than 2°C above the dew point
- Waterbased products are sensitive to moisture during curing
- Do not apply if the temperatures are expected to drop below 10°C within 24 hours of application
- NB. High humidity will lengthen cure times due to slower water evaporation rate.

Chemical resistance guide

Exposure	Spillage	Fumes
Acids	Fair	Good
Alkali	Good	Excellent
Solvents	N/R	Very good
Salt	Very good	Excellent
Water	Very good	Excellent

Drying times

Between coats	Final cure
10°C - 8 hours	10°C - 60 hours
16°C - 4 hours	16°C - 28 hours
25°C - 2 hours	25°C - 14 hours
32°C - 1 hours	32°C - 7 hours

Disclaimer

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- Paint technology is continuously being developed and Braemar Paints reserves the right to update product specifications without prior notice
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