

Contex Topcoat Silk

Product characteristics

Description

Contex Topcoat Silk is a waterborne alkali resistant paint formulated with pure acrylic emulsion. It has excellent UV resistance and anti-carbonation properties. It has excellent flow, opacity, washability and levelling properties.

Recommended use

Ideal as finishing coat for exterior and interior building walls and ceilings where anticarbonation protection is required.

Features

- Proven colour retention and opacity properties.
- Outstanding weather resistance.
- Excellent anti-carbonation properties.
- Superior protection.

Product safety

Flash point 100°C [212°F]

VOC content

Legislation	Value
EU	23 g/L [0.19 lb/US gal]
US (coatings)	46 g/L [0.38 lb/US gal]
US (regulatory)	139 g/L [1.16 lb/US gal]

VOC values may vary with shade, please consult the Safety Data Sheet, section 9.

Handling

Handle with care. Before and during use, observe safety labels on packaging and paint containers and follow all local and national safety regulations. Always consult Hempel's Safety Data Sheet for this product along with the Product Data Sheet.

For professional use only.

Product data

Product code

48620

Standard shade* / code

White 10000 **

Gloss

Silk

Volume solids

37 ± 2%

Specific gravity

1.3 kg/L [11 lb/US gal]

Reference dry film thickness

40 micron [1.6 mils]

Surface preparation

Cleanliness

- The surface must be dry and clean prior to application.

New build:

- Concrete must cure completely; for 28 days minimum.
- Moisture content in the surface must be below 4%.

Maintenance and Repair

- Remove dust, loose material and any other contamination.
- Surface imperfections in the substrate must be fixed/filled before paint application.
- Use compatible cementitious repair material for major surface imperfections.
- Apply primer/sealer prior to application of filler.
- Areas with filler to be sealed with primer/sealer.

Consult Hempel's separate Surface Preparation Guidelines for more details.

* Other shades are available, refer to Exterior Colour card.

** Colour stability may be affected by exposure to harsh chemical and/or high temperatures.

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Application

Thinner

Fresh water

Cleaner

Fresh water

Application method

Tool	Thinning max vol.	Application parameters
Airless spray	5%	Nozzle pressure: 150 bar [2200 psi] Nozzle orifice: 0.023-0.025"
Air spray	15%	Nozzle pressure: 4-6 bar [58 psi] Nozzle orifice: 0.07-0.086"
Brush/Roller	5%	Not Applicable.

Spray data are indicative and subject to adjustment. Pressure is for a material temperature of 20°C [68°F].

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	40 micron [1.6 mils]	50 micron [2.0 mils]	40 micron [1.6 mils]
Wet film thickness	110 micron [4 mils]	130 micron [5 mils]	110 micron [4 mils]
Theoretical spreading rate	9.2 m ² /L [370 sq ft/US gal]	7.3 m ² /L [300 sq ft/US gal]	9.2 m ² /L [370 sq ft/US gal]

Application conditions

- Surface temperature must be above 5°C [41°F] during application and curing.
- To avoid condensation, apply on a clean and dry surface with a temperature that is at least 3°C [5°F] above the dew point.
- Provide adequate ventilation during application and drying.

Relative Humidity:

- Relative humidity must be below 75% during drying and curing.

Application remarks

- Stir well before use.
- The practical consumption factor may vary depending on application conditions, equipment and workmanship.

Drying and overcoating

Product compatibility

- Previous coat: Recommended products are: Sealing/ Priming: Contex WB Primer, Contex SB Primer, Topaz WB Primer or as specified.
- Filling: Exterior: Contex Filler SB, Contex Exterior Filler or as specified.
- Interior: Contex Filler SB, Topaz Interior Filler or Maestro Mastic Filler or as specified.

Drying time

Surface temperature		20°C [68°F]	10°C [50°F]	40°C [104°F]
Surface dry	hours	2	4	1
Through dry	hours	6	10	3

Determined for dry film thickness 40 micron [1.6 mils] at standard conditions, see Hempel's Explanatory Notes for details. Any masking tape used during paint application should be removed while the paint is still in the wet condition.

Overcoating

Hempel's specification supersedes any guidelines indicated in the overcoating table

Quality name		10°C [50°F]	20°C [68°F]	40°C [104°F]
Atmospheric mild				
Contex Topcoat	Min	12 h	6 h	3 h
Silk	Max	Ext*	Ext	Ext

Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.

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Storage

Shelf life

Ambient temperature	25°C [77°F]
Product	24 months

Shelf life from date of production, when stored in original, unopened containers. Thereafter, the product quality must be re-inspected. Storage at elevated temperatures may reduce shelf life. For advice, please consult Hempel.

Storage conditions

- Product must be stored according to local legislation, at maximum 40°C [104°F], without direct sunlight and protected from rain and snow.
- Temperature must not go below 0°C [32°F] during transport and storage.

Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	6.6 g CO ₂ e/m ²	0.034 lb CO ₂ e/ft ²

The carbon footprint is for 1 square meter / square foot of surface area with a dry film thickness of 1 micron / mil.

The scope includes raw materials, in-bound transport to the Hempel factory, Hempel manufacturing processes, and any Volatile Organic Compounds emitted during and after the application of the product.

It is calculated based on the standard shade defined in this PDS. Values may vary with shade.

Additional Certifications and Standards

- Carbon dioxide diffusion, tested according to EN 1062-6
- Liquid water transmission, tested according to BS EN 1062-3
- Water vapor transmission, tested according to TP/N950/09/16074
- Water resistance, tested according to ASTM D 1735
- Static crack bridging ability, tested according to BS EN 1062-7, method-A
- Adhesion resistance, tested according to BS EN 1542
- Accelerated weathering (QUV), tested according to ASTM G 151
- Chloride ion diffusion, tested according to TP1303/90/4670
- Drying time, tested according to ASTM D 1640
- Volume solids, tested according to ASTM D 2697
- Final dry, tested according to ASTM D 1640
- Lead content, tested according to ASTM D 4834
- Contrast ratio, tested according to ASTM D 6441
- Consistency, tested according to ASTM D 562

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Additional documents

Additional information is available at the Hempel website <https://www.hempel.com/service-and-support/technical-guidelines> or at your local Hempel website:

- Explanatory Notes for Product Data Sheet.
- Application methods.

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at www.hempel.com (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from www.hempel.com.

Hempel shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements set out in the relevant PDS and the Additional Documents. The information and terms of this disclaimer apply to this PDS, the Additional documents and any other documents supplied by Hempel in respect of the Product. In addition, the Product is supplied and all technical assistance is given subject to Hempel's General Conditions of Sale, Delivery and Service, unless otherwise expressly agreed in writing.