

Description:	HEMPEL CONTEX PROTECT 58430 is a waterborne acrylic coating.
Recommended use:	<p>Especially suited for protection of concrete structures in exterior. It may be also applied on interior surfaces.</p> <p>It offers the following technical characteristics:</p> <ul style="list-style-type: none">- Excellent adhesion to concrete and other porous substrates- Impermeability to liquid water- Permeability to water vapour- Stable to sunlight and weathering action- Impermeable to the diffusion of carbon dioxide (CO₂)- Impermeable to chloride ions- Resistant to abrasion- Film formation through a mechanism commonly referred as "double-cross-linking" (<i>See Remarks</i>)
Approvals, Certificates:	<p>Complies with European Fire Standard EN 13501-1; classification B-s1, d0.</p> <p>Complies with the requests of NP EN 1504-2 Standard.</p> <p>CE Marking: Certificate 1328-CPR-0306 issued by CERTIF at 15.April.2014.</p> <p>Complies with EU Directive 2004/42/EC: subcategory i. (<i>See Remarks</i>)</p>

PHYSICAL CONSTANTS:

Colours/shade Nos.:	White / 10000 and other colours
Finish:	Flat
Volume solids, %:	40 \pm 1
Theoretical spreading rate:	5,7 m ² /litre - 70 μ m
Flash point:	>66°C
Specific gravity:	1,3 Kg/litre
Dry to touch:	1 hour at 20°C
VOC content:	35 g/litre

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Application method:	Brush / Roller	Airless spray
Thinner (max.vol.):	Fresh water (5%)	Fresh water (5%)
Nozzle orifice:	.015" - .018"	
Nozzle pressure:	150 bar/2200 psi (<i>Airless spray data are indicative and subject to adjustment</i>)	
Cleaning of tools:	Fresh water	
Indicated film thickness, dry:	70 μ m (<i>See REMARKS</i>)	
Indicated film thickness, wet:	175 μ m	
Overcoat interval, min:	2 hours (20°C)	
Overcoat interval, max:	None	

Safety:	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations.
----------------	---

SURFACE PREPARATION:

NEW BUILDING:

Concrete and plasters (dry and cured – min. 28 days)

In case of contamination with oil, grease, salts and other contaminants, wash with suitable detergent, followed by high pressure fresh water hosing. Allow to dry completely. Remove loose particles and dust.

REPAIR AND MAINTENANCE:

Remove loose films that do not offer guarantee of good adherence. Decontaminate and wash the entire surface by high pressure fresh water hosing and allow to dry completely.

Special cases:

Surfaces contaminated with fungi should be treated, before coating, with HEMPEL SOLUÇÃO FUNGICIDA 99P04 (consult Product Data Sheet).

APPLICATION CONDITIONS:

As dictated by normal good painting practice.

During application and drying the environmental and substrate temperatures must be above 5°C, preferably above 10°C, and relative humidity inferior to 80%.

Avoid application under direct sunlight or strong wind conditions.

In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT:

HEMPEL CONTEX PROTECT 58430 thinned up to 10% with fresh water.

APPLICATION:

Apply two or three coats of HEMPEL CONTEX PROTECT 58430 thinned up to 5% with fresh water to obtain specified dry film thickness.

REMARKS:

VOC – EU Directive 2004/42/EC:

White / 10000	As supplied	5% vol. thinning	Limit phase II, 2010
VOC in g/l	35	32	140

For VOC of other shades, please refer to Safety Data Sheet.

“Double cross-linking”:

This mechanism involves the coalescing of the dispersion particles, which is common to all aqueous dispersion paints, followed by reticulation through solar radiation.

Thinning:

Do not use salty, turbid, contaminated or heavily calcareous water to dilute the product. Tap water from the public network is recommended.

Levelling:

When applied on exterior surfaces, mortars or other levelling materials, must be waterproof, non-retractile and compatible with the substrate and the painting system.

Packings:

During storage do not expose to low temperatures or direct sunlight.

Note:

HEMPEL CONTEX PROTECT 58430 is for professional use only.

Issued by:

HEMPEL (Portugal) Lda.

(5843010000)

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see “Explanatory Notes” available on hempel.com. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

The Products are supplied and all technical assistance is given subject to Hempel's general conditions of sales, delivery and service, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said general conditions for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.