

68180

Description:	Hempel's Tapecrete Liquid 68180 is a high solids and light coloured cementitious coating. It is a two component material supplied as a powder mix with a maximum grain size of 0.5 mm and a water borne acrylic dispersion.
Recommended use:	For use in repair and maintenance where damp surface tolerance and moisture curing make traditional coating applications difficult. The cured coating is mechanically robust. Not suitable in connection with cathodic protection or galvanized steel. It is also not suitable for overcoating on zinc shopprimer or PVB shopprimers (wash primers).
Service temperature:	Maximum, dry exposure only: 120°C/248°F In water (no temperature gradient): 40°C/105°F
Availability:	Not included in Group Assortment. Availability subject to special agreement.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	11670*/ Grey.
Finish:	Flat
Volume solids, %:	94 (microscopical evaluation)
Theoretical spreading rate:	1.3 m ² /l [52.1 sq.ft./US gallon] - 750 micron/30 mils
Flash point:	None.
Specific gravity:	2.2 kg/litre [18.4 lbs/US gallon]
VOC content:	0 g/l [0 lbs/US gallon] <i>*other shades according to assortment list.</i>
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Brush or spray. Spray application requires a worm pump like Putzmeister TS 3 equipped with a Putzmeister plast spray gun 071473.006. Use a 25 mm/1" material hose and 2-3 bar air pressure for atomization. (Consult the separate APPLICATION INSTRUCTIONS)
Thinner (max.vol.):	see REMARKS overleaf
Pot life:	3 approx. hour(s) 20°C/68°F Pot life is very dependent on correct mixing. See separate APPLICATION INSTRUCTIONS
Cleaning of tools:	Fresh water
Indicated film thickness, dry:	750 micron [30 mils] see REMARKS overleaf
Indicated film thickness, wet:	750 micron [30 mils]
Overcoat interval, min:	According to separate APPLICATION INSTRUCTIONS
Overcoat interval, max:	According to separate APPLICATION INSTRUCTIONS
Safety:	Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Safety Data Sheets and follow all local or national safety regulations.

Product Data

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SURFACE PREPARATION:	Oil and grease must be removed by suitable detergent, salts and other contaminants by (high pressure) fresh water hosing prior to blasting. Remove rust and scale to a degree of cleaning corresponding to minimum Sa 1 or St 2. Be sure to remove rather than polish possible scale to avoid flaking during service. Hose down sound and intact areas with fresh water. Existing epoxy or coal tar epoxy system must be uniformly matted by grinding or abrasive sweep blasting. Surface preparation methods using water, eg water jetting and wet abrasive blasting can be used advantageously together with the moisture curing, damp surface tolerant product.
APPLICATION CONDITIONS:	The absolute minimum surface temperature is 10°C/50°F and the maximum surface temperature should preferably be below 30°C/84°F. During application there are no restrictions to relative humidity, ie the surface may be damp or moist, but standing water or droplets must be removed.
REMARKS:	Mixing: TAPECRETE LIQUID 68189 is delivered in plastic cans containing 5 litres/5.2 kg or in 200 litres drums. TAPECRETE MARINE COATING DRY MIX 68186 is delivered in 25 kg plastic lined paperbags packed in 20-litre plastic drums. Mixing procedure: Stir the liquid thoroughly, especially if only part of the liquid is used. Transfer the liquid to the 20- litre drum or other suitable mixing vat and add the dry mix slowly under good agitation with a standard mortar mixer or slow-speed spiral type power mixer. Continue until the mixture is smooth and free of agglomerations, typically 5 minutes, then leave the mix to prereact for 10 minutes and REMIX. Reference is made to separate APPLICATION INSTRUCTIONS. Mixing ratio: Mix 5 litres of TAPECRETE LIQUID with 25 kg TAPECRETE MARINE COATING DRY MIX 68186 for spray application (mixed paint: 13.8 litres/3.6 US gallons). For brush application mix 6 litres TAPECRETE LIQUID to 25 kg TAPECRETE MARINE COATING DRY MIX 68186 (mixed paint: 14.8 litres/3.9 US gallons).
Film thicknesses/thinning:	Thinning is normally not necessary. However, 1-2% TAPECRETE LIQUID 68189 may be used to adjust viscosity. Do not use water. See separate APPLICATION INSTRUCTIONS The product is normally specified in two coats: Fresh water tanks: 2 coats, each 0.5 mm/20 mils minimum. Ballast tanks: 2 coats, each 0.75 mm/30 mils minimum.
Curing before filling of tanks:	Tanks for fresh water may be filled after 24 hours. Before taking the tank into use for drinking water, fill the tank twice with fresh water, each time for a period of not less than 24 hours, and finally flush with fresh water. Ballast tanks must be hosed down with fresh water 24 hours after application. Keep the surface humid for 2 more days then hose down once more with fresh water. Alternatively, ballast tanks could be filled with fresh water 24 hours after application and be kept filled for two more days before filling with seawater. The correctly applied coating is hard, firmly adhering and shows no chalking or loose surface layer.
Storage Conditions:	Store TAPECRETE LIQUID 68189 at temperatures above 1°C/34°F and below 40°C/104°F. TAPECRETE MARINE COATING DRY MIX 68186 must be stored under dry conditions.
Maintenance:	Regular maintenance of the coating is carried out by scraping or grinding off loose material followed by brush application of TAPECRETE MARINE COATING 68180 to a minimum of 1 mm/40 mils dry film thickness, normally 2 coats.
Overcoating intervals:	The correct minimum overcoating interval has been obtained, when overcoating does not mechanically damage the first coat caused by the pressure of the brush or by the spray application. This condition must be reached within 2-3 hours or (extra) ventilation must be provided.
Note:	Hempel's Tapecrete Liquid 68180 For professional use only.
ISSUED BY:	HEMPEL A/S

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This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on www.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.

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