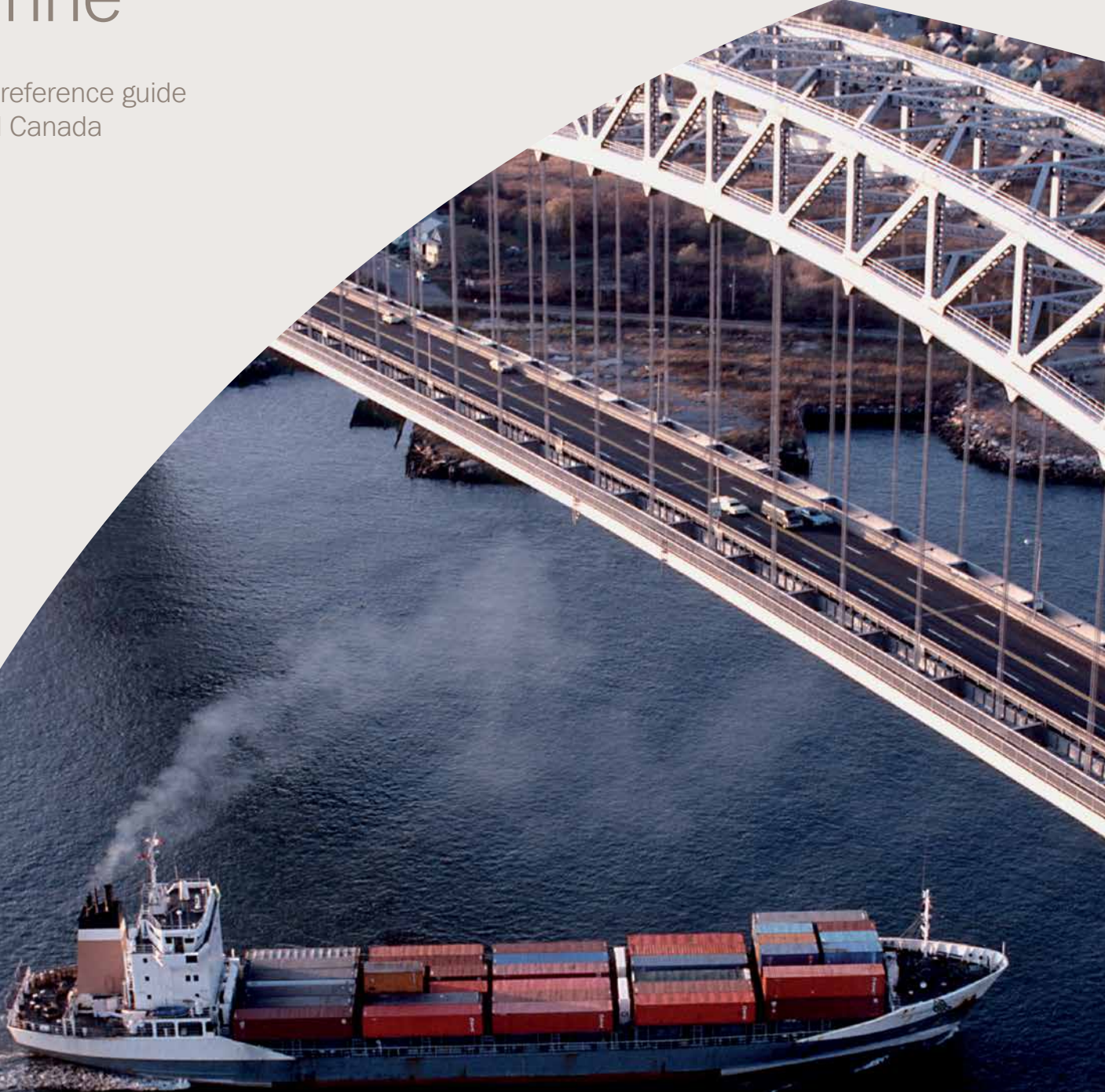


Marine

Product reference guide
USA and Canada





Protecting your investments

This overview presents paints designated for anticorrosion protection, produced at our state of the art manufacturing sites, these products are widely available. To obtain detailed information, specifications and pricing for your project, please contact your local sales representative or local Hempel office.

Hempel was founded in Denmark in 1915 by J. C. Hempel, who introduced the concept of ready-made marine paints. Over the years we have expanded our original product portfolio and services into many other coatings and markets. The company has grown to become the largest independent supplier of coatings for the protective, marine, container, yacht and decorative market segments.

We offer a full range of proven coatings and technical service, helping our customers to reduce fuel bills, extend maintenance cycles and cut drydock expenses.

As a global supplier of marine, protective and decorative coatings we offer both high quality products and trusted technical and application advice. Whether you need coatings for newbuilding, maintenance or sea stock, our products will keep your vessel in prime condition for longer, from the underwater hull to the cargo tanks and ballast tanks.

Our protective coatings are approved by numerous testing and research institutions and are certified for various operating conditions and meet today's regulatory requirements.

Hempel's Multi-tint® system

Our Multi-tint system is a volumetric tinting system developed by Hempel in 1993 as a tool for meeting our customers' demands for special colors from international color standards, such as RAL, British Standard 381C and BS-4800, NCS, Munsell plus other international and customer colors.

For further information please contact your local Hempel office.

Key



Roller



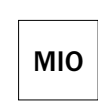
Brush



Airless spray



Conventional spray















Micaceous iron oxide



Multi-tint

















Fouling defense and fouling release with tiecoats

Product	Description	VS%	VOC	Rec DFT		Theoretical spreading rate	Components	Mixing ratio	Shelf life	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Fouling defense available for application outside of US and Canada												
Hempaguard X5	Actiguard® technology. Underwater hull coating that combines hydrogel silicone and biocide to protect against biofouling in any trading patterns. For 60 months dry dock interval and up to 36 idle days.	68%	276 g/L; 2.3 lbs/gal	150 µm 6 mils		4.5 m ² /L - 150 µm; 180.5 sqft/gal - 6 mils	2	17.8:2.2	1.5 yrs base; 1 yr crosslinker	1hr	3hrs	  
Tiecoats for fouling control product application outside of US and Canada												
Hempasil Nexus 27310	Silicone based tiecoat. For use between anticorrosion primer and Hempaguard or Hempasil. Application temperatures > 10°C or 50°F.	56%	388 g/L; 3.2 lbs/gal	100 µm 4 mils		5.6 m ² /L - 100 µm; 224.6 sqft/gal - 4 mils	3	16.8:2.3:0.9	1.5 yrs base; 1 yr cure; 1.5 yr additive	1hr	1-2hrs	  
Hempasil Nexus X-seal 27600	Silicone based tiecoat. For use as a sealer to establish a bridge between the aged antifouling and Hempaguard or Hempasil. Application temperature > 10°C or 50°F.	54%	405 g/L; 3.4 lbs/gal	120 µm 5 mils		4.5 m ² /L - 120 µm; 180.5 sqft/gal - 4.8 mils	3	16.8:2.3:0.9	1.5 yrs base; 1 yr cure; 1.5 yrs additive	1hr	1-2hrs	  
Hempasil Nexus XA416	Silicone based tiecoat. Acts as either a sealer and/or tiecoat between aged antifouling and the Hempaguard and Hempasil systems. Application temperature > 0°C or 32°F.	57%	386 g/L; 3.2 lbs/gal	100 µm 4 mils		5.7 m ² /L - 100 µm; 228.6 sqft/gal - 4 mils	2	15:5	1.5 yrs base; 1 yr cure; 1.5 yrs additive	2hrs	2hrs	  

Fouling defense and fouling release with tiecoats

Product	Description	VS%	VOC	Rec DFT		Theoretical spreading rate	Components	Mixing ratio	Shelf life	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Fouling release for applications in the US												
Hempaguard X7	Actiguard® technology. Underwater hull coating that combines hydrogel silicone and biocide to protect against biofouling in any trading patterns. For 90 month dry dock interval and up to 120 idle days.	70%	262 g/L; 2.2 lbs/gal	150 µm 6 mils		4.7 m²/L - 150 µm; 188.5 sqft/gal - 6 mils	2	17.8:2.2	1.5 yrs base; 1 yr crosslinker	1hr	3hrs	
Fouling release for applications in the US and Canada												
Hempasil X3	Silicone hydrogel. Underwater hull biocide free fouling release product for based on hydrogel technology.	71%	279 g/L; 2.3 lbs/gal	150 µm 6 mils		4.7 m²/L - 150 µm; 188.5 sqft/gal - 6 mils	2	17.8:2.2	1.5 yrs base; 1 yr crosslinker	2hrs	3hrs	
Hempasil Helix 77000	Silicone. Biocide free high solids coating for propellers and rudders.	67%	284 g/L; 2.4 lbs/gal	150 µm 6 mils		4.5 m²/L - 150 µm; 180.5 sqft/gal - 6 mils	2	7:1	1.5 yrs base; 1 yr crosslinker	2hrs	3hrs	
Hempasil 77300	Silicone. Biocide free high solids coating for static structures and contrast markings (i.e. draft marks on Hempasil).	68%	283 g/L; 2.3 lbs/gal	150 µm 6 mils		4.5 m²/L - 150 µm; 180.5 sqft/gal - 6 mils	2	7:1	1.5 yrs base; 1 yr crosslinker	2hrs	3hrs	
Tiecoats for fouling control product applications in the US and Canada												
Hempasil Nexus 27302	Silicone based tiecoat. For use between anticorrosion primer and Hempaguard or Hempasil. Application temperature > 10°C or 50°F.	70%	279 g/L; 2.3 lbs/gal	120 µm 5 mils		5.8 m²/L - 120 µm; 232.6 sqft/gal - 4.8 mils	3	14.8:4.2:1	1.5 yrs base; 1 yr cure; 1.5 yr additive	1hr	2hrs	
Hempasil Nexus X-Tend 27500	Silicone based humidity curing tiecoat. Used for touch-up and repair of Hempasil at minimum curing temperature: 5°C/41°F.	65%	252 g/L; 2.1 lbs/gal	120 µm 4.8 mils		5.4 m²/L - 120 µm; 216.5 sqft/gal - 4.8 mils	1	N/A	18 months	1hr	3hrs	

Antifoulings with tiecoats

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Antifoulings available for application outside of US and Canada.											
Globic 9000 78900	Nano acrylate technology based high solids antifouling with patented microfiber reinforcement. NAT provides low friction and self-smoothing for deepsea, low-med speed and 90 month dry docking interval.	58%	380 g/L; 3.2 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Globic 9000 78950	Nano acrylate technology based high solids antifouling with patented microfiber reinforcement. NAT provides low friction, self-smoothing for deep-sea, low-high speed, 90 month dry docking interval.	58%	367 g/L; 3 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Dynamic 79540	Hydrolysing silyl acrylate technology antifouling with patented microfiber reinforcement. A selfpolishing antifouling for vessels operating at medium to high speed and high activity with short idle periods and 90 month docking interval.	58%	411 g/L; 3.4 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	  
Dynamic 79560	Hydrolysing silyl acrylate technology antifouling with patented microfiber reinforcement. A selfpolishing antifouling for vessels operating at medium speed and med to high activity with med to short idle periods and 90 month intervals.	58%	392 g/L; 3.4 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	  
Dynamic 79580	Hydrolysing silyl acrylate technology antifouling with patented microfiber reinforcement. A selfpolishing antifouling for vessels operating at low to medium speed and activity with short to medium idle periods and 90 month docking intervals.	58%	411 g/L; 3.4 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	  
Globic 8000 78550	Nano acrylate technology based high solids antifouling with patented microfiber reinforcement. NAT provides low friction and self-smoothing with instant activation of polishing. Ideal for slow steaming and frequent idle day with up to 90 month dry docking interval.	58%	383 g/L; 3.2 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Dynamic 8000 79450	Hydrolysing silyl acrylate technology antifouling with patented microfiber reinforcement. A selfpolishing, self-smoothing antifouling for vessels operating at faster speeds with up to 90 month docking intervals.	58%	345 g/L; 2.9 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Globic 6000 75950	Nano acrylate technology based high solids antifouling with patented microfiber reinforcement. NAT provides low friction and self-smoothing for deepsea, med-high speeds, med activity and 60 month dry docking.	58%	383 g/L; 3.2 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Oceanic+ 73900	Controlled self-polishing high solid antifouling with patented microfiber reinforcement. Use for coastal trade, low-med speeds, low-med activity, short-med idle periods and 60 month dry dock interval.	64%	347 g/L; 2.9 lbs/gal		100 µm 4 mils	6.4 m ² /L - 100 µm; 256.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Oceanic+ 73950	Controlled self-polishing high solid antifouling with patented microfiber reinforcement. Use for deepsea, med-high speeds, high activity, short idle periods and 60 month dry docking interval.	64%	349 g/L; 2.9 lbs/gal		100 µm 4 mils	6.4 m ² /L - 100 µm; 256.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	








Antifouling with tiecoats

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Antifouling available for application outside of US and Canada.											
Olympic+ 72900	Controlled self-polishing high solid antifouling with patented microfiber reinforcement. Use for deepsea low-med speeds, low-med activity, short idle and 36 month dry docking interval.	63%	364 g/L; 3 lbs/gal		100 µm 4 mils	6.3 m ² /L - 100 µm; 252.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Olympic+ 72950	Controlled self-polishing high solid antifouling with patented microfiber reinforcement. Use for deepsea med-high speeds, high activity, short idle and 36 month dry docking interval.	63%	367 g/L; 3 lbs/gal		100 µm 4 mils	6.3 m ² /L - 100 µm; 252.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Olympic FB 7295B	Controlled self-polishing high solid antifouling with patented microfiber reinforcement. For deepsea flat bottom vessels with high activity, short idle and 36 month dry docking interval.	58%	384 g/L; 3.2 lbs/gal		100 µm 4 mils	5.8 m ² /L - 100 µm; 232.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Antifouling tiecoat for application outside the US and Canada											
Hempadur 47182	Modified polyamide adduct cured epoxy anticorrosive tiecoat. Can replace one coat of AC for immersion service and act as tiecoat with AF. Application temperature > -5°C or 23°F.	62%	364 g/L; 3 lbs/gal		125 µm 5 mils	5 m ² /L - 125 µm; 200.5 sqft/gal - 5 mils	2	7:1	2hrs	6hrs	
Antifouling available in the US and Canada											
Olympic HI 76600	A tin free ablative antifouling. Uses cuprous oxide to control biofouling. Use for bottom in global trade with short idle periods.	65%	368 g/L; 3.1 lbs/gal		100 µm 4 mils	6.5 m ² /L - 100 µm; 260.7 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Antifouling available in the US only											
Hempel's Antifouling Globic 81950	Tin free self-smoothing and self polishing antifouling. Use for deepsea trade at med-high speed, high activity, and short idle periods.	60%	360 g/L; 3 lbs/gal		100 µm 4 mils	6 m ² /L - 100 µm; 240.6 sqft/gal - 4 mils	Single	N/A	N/A	4-5hrs	
Antifouling tiecoats for US											
Hempadur 47183	Modified polyamide adduct cured epoxy anticorrosive tiecoat. Replaces one coat of AC for immersion service and acts as tiecoat with antifouling. Application temperature > -5°C or 23°F. VOC compliant.	62%	334 g/L; 2.8 lbs/gal		125 µm 5 mils	5 m ² /L - 125 µm; 200.5 sqft/gal - 5 mils	2	7:1	2hrs	6hrs	

Anti corrosive coatings

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Anti corrosive epoxies and primers											
Hempadur Quattro XO 17820	Universal pure epoxy. A hard tough coating with excellent resistance to abrasion and seawater. The product is available with different levels of aluminium and fiber pigmentation to deliver tailor made optimised properties for a different harsh service conditions.	80%	190 g/L; 1.6 lbs/gal		125 µm 5 mils	6.4 m²/L - 125 µm; 256.6 sqft/gal - 5 mils	2	4:1	1.5hrs	2hrs	
Hempadur Quattro 17634	Universal epoxy. A self-primed high performance coating system for atmospheric or in-water service, including water ballast tanks and cargo oil tanks. Excellent anticorrosive with very good mechanical properties. Complies with section 175.300 of the Code of Federal Regulations title 21 - dry foodstuff.	72%	277 g/L; 2.3 lbs/gal		125 µm 5 mils	5.8 m²/L - 125 µm; 232.6 sqft/gal - 5 mils	2	4:1	2hrs	4hrs	
Hempadur EM 35740	A two-component, ultra high solids and very low VOC epoxy coating. Good self priming properties and is suited for application even under humid conditions and on marginally prepared surfaces.	97%	52 g/L; 0.4 lbs/gal		150 µm 6 mils	6.5 m²/L - 150 µm; 260.6 sqft/gal - 6 mils	2	2:1	1hr	8hrs	
Hempadur Mastic 45880	Polyamide adduct cured epoxy. Self-primed high solids, high build coating which forms a hard and tough surface and has good wetting properties and low temperature curing. Can be used for maintenance and minor repairs in immersed areas including ballast tanks and underwater hull. Surface tolerant.	80%	216 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m²/L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	4hrs	MIO MTT
Hempadur Mastic 45881	Polyamide adduct cured epoxy. Self-primed high solids, high build coating which forms a hard and tough surface and has good wetting properties. Can be used for maintenance and minor repairs in immersed areas including ballast tanks and underwater hull. Surface tolerant.	80%	218 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m²/L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	3hrs	MIO MTT
Hempadur multi-strength GF Epoxy 3587A	High build glass flake epoxy. Impact and abrasion resistant. Good resistance to seawater, mineral oil, aliphatic hydrocarbons and splashes from petrol and related products. Will continue to cure underwater.	87%	179 g/L; 1.5 lbs/gal		350 µm 14 mils	2.5 m²/L - 350 µm; 100.2 sqft/gal - 14 mils	2	4:1	1hr	6hrs	
Hempadur 47183	Modified polyamide adduct cured epoxy. Anticorrosive tiecoat which may be used with polyurethane, epoxy and acrylics.	62%	334 g/L; 2.8 lbs/gal		125 µm 5 mils	5 m²/L - 125 µm; 200.5 sqft/gal - 5 mils	2	7:1	2hrs	6hrs	(touch-up)
Shop primers											
Hempel's Shopprimer ZS 15890	Solvent-borne zinc ethyl silicate shopprimer. Designed for automatic spray application. Especially suited, where welding (MIG/MAG) and gas-cutting properties are of importance. For short to medium-term protection of abrasive blast cleaned steel plates and other structural steel during the storage, fabrication, and construction periods.	28%	620 g/L; 5.2 lbs/gal		15 µm 0.6 mils	18.7 m²/L - 15 µm; 749.9 sqft/gal - 0.6 mils	2	2:3	24hrs	Dry-to-handle 4-5mins	(touch-up)

Finishing coats

Product	Description	VS%	VOC	Rec DFT		Gloss	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Finishing coats												
Hempatex Hi-build 46410	Acrylic resin and non-chlorinated plasticizer. High build flat finish primer, intermediate or finishing coat. Resistant to saltwater, aliphatic hydrocarbons and vegetable oils.	42%	509 g/L; 4.2 lbs/gal	100 µm 4 mils		Flat	4.2 m ² /L - 100 µm; 168.4 sqft/gal - 4 mils	1	N/A	N/A	4hrs	
Hempel's Silvium 51570	Oleoresinous general pupose aluminum paint. A finishing coat on steel or woodwork where good light reflection is needed and/or for a moderately hot surface.	38%	506 g/L; 4.2 lbs/gal	35 µm 1 mil		Glossy	15.2 m ² /L - 25 µm; 609.5 sqft/gal - 1 mil	1	N/A	N/A	5hrs	
Hempalin Enamel 52140	Alkyd enamel. Glossy general purpose finishing coat on interior and exterior steel, woodwork and engine rooms. Weather resistant. Resistant to salt water, spillage of mineral oil and other aliphatic hydrocarbons. A low flame spread material.	46%	425 g/L; 3.5 lbs/gal	30 µm 1.2 mils		Glossy	15.3 m ² /L - 30 µm; 613.5 sqft/gal - 1.2 mils	1	N/A	N/A	6-8hrs	
Hempaxane Light 55030	Polysiloxane enamel. High gloss finishing coat for new steel structures in servery corrosive atmospheric environments.	82%	209 g/L; 1.7 lbs/gal	75 µm 3 mils		Glossy	10.9 m ² /L - 75 µm; 437.1 sqft/gal - 3 mils	2	5.6:4.4	4 hrs	6hrs	
Hempathane HS 55610	Polyurethane. VOC compliant, high build finishing coat or direct-to-metal coating for protection of structural steel in corrosive enviroments. Contains zinc phospate.	67%	336 g/L; 2.8 lbs/gal	100 µm 4 mils		Glossy	6.7 m ² /L - 100 µm; 268.7 sqft/gal - 4 mils	2	7:1	2 hrs	5hrs	
Hempathane 55210	Acrylic polyurethane. Glossy finishing coat where light fastness and gloss retention are required in severely corrosive atmospheres.	51%	442 g/L; 3.7 lbs/gal	50 µm 2 mils		Glossy	10.2 m ² /L - 50 µm; 409 sqft/gal - 2 mils	2	7:1	4 hrs	8hrs	
Hempatex Enamel 56360	Acrylic resin and nonchlorinated plasticizer enamel. Finishing coat for optimum gloss and color retention. Resistant to salt water, splashes of aliphatic hydrocarbons and animal and vegetable oils.	31%	606 g/L; 5 lbs/gal	35 µm 1.4 mils		Semi-Gloss	8.9 m ² /L - 35 µm; 356.9 sqft/gal - 1.4 mils	1	N/A	N/A	3-4hrs	

Specialty tanks

Cargo ballast, cargo hold and potable water

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Ballast tanks											
Hempadur Quattro XO 17820	Universal pure epoxy. A hard tough coating with excellent resistance to abrasion and seawater including water ballast tank service. The product is available with Fiber pigmentation.	80%	190 g/L; 1.6 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	4:1	1.5hrs	2hrs	
Hempadur Quattro 17634	Universal epoxy. Resistant to abrasion, seawater and various oils. Meets IMO PSPC requirements for water ballast tanks and cargo oil. FDA 175.300 dry foodstuff.	72%	277 g/L; 2.3 lbs/gal		125 µm 5 mils	5.8 m ² /L - 125 µm; 232.6 sqft/gal - 5 mils	2	4:1	2hrs	4hrs	
Hempadur EM 35740	A two-component, ultra high solids and very low VOC epoxy coating. Good self priming properties and is suited for application even under humid conditions and on marginally prepared surfaces.	97%	52 g/L; 0.4 lbs/gal		150 µm 6 mils	6.5 m ² /L - 150 µm; 260.6 sqft/gal - 6 mils	2	2:1	1hr	8hrs	
Cargo holds											
Hempadur Quattro XO 17820	Universal pure epoxy. A hard tough coating with excellent resistance to abrasion and seawater. The product is available with different levels of aluminium and fiber pigmentation to deliver tailor made optimised properties for a different harsh service conditions.	80%	190 g/L; 1.6 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	4:1	1.5hrs	2hrs	
Hempadur Quattro 17634	Universal epoxy. Resistant to abrasion, seawater and various oils. Meets IMO PSPC requirements for water ballast tanks and cargo oil. FDA 175.300 dry foodstuff.	72%	277 g/L; 2.3 lbs/gal		125 µm 5 mils	5.8 m ² /L - 125 µm; 232.6 sqft/gal - 5 mils	2	4:1	2hrs	4hrs	
Cargo tanks											
Hempadur 15500	Amine adduct cured phenolic epoxy (novolac). Tank lining with excellent resistance to a wide range of chemicals - see Hempel's cargo protection guide.	68%	321 g/L; 2.7 lbs/gal		100 µm 4 mils	6.8 m ² /L - 100 µm; 272.7 sqft/gal - 4 mils	2	8.9:1.1	3hrs	4-6hrs	
Hempadur multi-strength 35530	Solvent-free polyamine cured epoxy. Tank lining with good resistance to salt water, fresh water, crude oil and abrasion. A lining for potable water tanks and pipelines (Certified NSF/ANSI standard 61).	100%	9 g/L; 0.1 lbs/gal		300 µm 12 mils	3.3 m ² /L - 300 µm; 132.3 sqft/gal - 12 mils	2	3:1	1hr	24hrs	
Hempadure multi-strength GF Epoxy 3587A	High build glass flake epoxy. Lining which is impact and abrasion resistant. Good resistance to seawater, mineral oil, aliphatic hydrocarbons and splashes from petrol and related products. Will continue to cure underwater.	87%	179 g/L; 1.5 lbs/gal		350 µm 14 mils	2.5 m ² /L - 350 µm; 100.2 sqft/gal - 14 mils	2	4:1	1hr	6hrs	
Hempadur 85671	Amine adduct cured phenolic epoxy (novolac). Very good adhesion and high temperature, water and chemical resistance - see Hempel's cargo protection guide. Lining for tanks, pipelines with service temperature range of 196°C/-32°F to 205°C/401°F.	68%	316 g/L; 2.6 lbs/gal		100 µm 4 mils	6.8 m ² /L - 100 µm; 272.7 sqft/gal - 4 mils	2	8.8:1.2	3hrs	4-6hrs	
Cargo tanks											
Hempadur multi-strength 35530	Solvent-free polyamine cured epoxy. Good resistance to salt water, fresh water, crude oil and abrasion. A lining for potable water tanks and pipelines (Certified NSF/ANSI standard 61).	100%	9 g/L; 0.1 lbs/gal		300 µm 12 mils	3.3 m ² /L - 300 µm; 132.3 sqft/gal - 12 mils	2	3:1	1hr	24hrs	

Decks, topsides and superstructures

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Decks, topsides and superstructure											
Hempadur Quattro XO 17820	Universal pure epoxy. A hard tough coating with excellent resistance to abrasion and seawater. The product is available with different levels of aluminium and fiber pigmentation to deliver tailor made optimised properties for a different harsh service conditions.	80%	190 g/L; 1.6 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	4:1	1.5hrs	2hrs	
Hempadur Quattro 17634	Universal epoxy. Cures to a hard and tough coating which is resistant to abrasion, seawater and various oils.	72%	277 g/L; 2.3 lbs/gal		125 µm 5 mils	5.8 m ² /L - 125 µm; 232.6 sqft/gal - 5 mils	2	4:1	2hrs	4hrs	
Hempadur Mastic 45880	Polyamide adduct cured epoxy. Self-primed high solids coating which forms a hard and tough surface and has good wetting properties and low temperature curing. A surface tolerant paint which may be used as an intermediate or finishing coat in heavy duty paint system where low VOC and high film build are required.	80%	216 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	4hrs	MIO MTT
Hempadur Mastic 45881	Polyamide adduct cured epoxy. Self-primed high solids coating which forms a hard and tough surface and has good wetting properties. A surface tolerant paint which may be used as an intermediate or finishing coat in heavy duty paint system where low VOC and high film build are required.	80%	218 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	3hrs	MIO MTT
Hempatex Hi-build 46410	Acrylic resin and nonchlorinated plasticizer. High build primer, intermediate or finishing coat with a flat finish and good color retention. Resistant to saltwater, aliphatic hydrocarbons and vegetable oils.	42%	509 g/L; 4.2 lbs/gal		100 µm 4 mils	4.2 m ² /L - 100 µm; 168.4 sqft/gal - 4 mils	1	N/A	N/A	4hrs	MTT
Hempadur OBM 47150	High build epoxy paint. It forms a hard and tough coating resistant to seawater, mineral oils and splashes from petrol and related products. For repair and maintenance work at application temperatures above 0°C/32°F on hatch covers, decks, in cargo holds.	55%	424 g/L; 3.5 lbs/gal		75 µm 3 mils	7.3 m ² /L - 75 µm; 292.7 sqft/gal - 3 mils	2	3:1	5hrs	4hrs	
Hempalin Enamel 52140	Alkyd enamel. General purpose glossy finishing coat on interior and exterior steel, woodwork and engine rooms. Weather resistant. Resistant to salt water, spillage of mineral oil and other aliphatic hydrocarbons. A low flame spread material.	46%	425 g/L; 3.6 lbs/gal		30 µm 1.2 mils	15.3 m ² /L - 30 µm; 613.5 sqft/gal - 1.2 mils	1	N/A	N/A	6-8hrs	MTT
Hempathane HS 55610	Polyurethane. VOC compliant, high build finishing coat or direct-to-metal coating for protection of structural steel in corrosive environments. Contains zinc phosphates.	67%	336 g/L; 2.8 lbs/gal		100 µm 4 mils	6.7 m ² /L - 100 µm; 268.7 sqft/gal - 4 mils	2	7:1	2hrs	5hrs	
Hempathane 55210	Acrylic polyurethane. Glossy finishing coat where light fastness and gloss retention are required in severely corrosive atmospheres.	51%	442 g/L; 3.7 lbs/gal		50 µm 2 mils	10.2 m ² /L - 50 µm; 409 sqft/gal - 2 mils	2	7:1	4hrs	8hrs	MTT
Hempatex Enamel 56360	Acrylic resin and nonchlorinated plasticizer enamel. Finishing coat for optimum gloss and color retention. Resistant to salt water, splashes of aliphatic hydrocarbons and animal and vegetable oils.	31%	606 g/L; 5 lbs/gal		35 µm 1.4 mils	8.9 m ² /L - 35 µm; 356.9 sqft/gal - 1.4 mils	1	N/A	N/A	3-4hrs	MTT
Hempel's Anti-slint 67500	Silica sand. Flame dried of which the average particle size is approximately 0.5 millimetres. To obtain anti-skid properties on decks and other areas where a skid-proof surface is required.	N/A	0		N/A	2.6 kg/L; 21.9 lbs/gal	N/A	N/A	N/A	N/A	N/A

Accomodation

Product	Description	VS%	VOC		Rec DFT	Theoretical spreading rate	Components	Mixing ratio	Pot life @ 20°C/68°F	Dry-to-touch @20°C/68°F	Application method
Accomodations											
Hempalin Primer 12050	Alkyd primer. General purpose quick drying zinc phosphate primer for steel in mild to medium atmospheric environment. Approved as low flame spread.	49%	407 g/L; 3.4 lbs/gal		40 µm 1.6 mils	12.3 m ² /L - 40 µm; 493.2 sqft/gal - 1.6 mils	1	N/A	N/A	2-4hrs	
Hempel's Uni-Primer 13140	Epoxy ester uni-primer. A versatile primer for steel and metal surfaces for Hempalin or Hempatex systems in mild to medium corrosive atmospheric environment. Approved as a low flame spread material.	42%	517 g/L; 4.3 lbs/gal		50 µm 2 mils	8.4 m ² /L - 50 µm; 336.8 sqft/gal - 2 mils	1	N/A	N/A	2hrs	
Hempadur Mastic 45880	Polyamide adduct cured epoxy. Self-primed high solids coating which forms a hard and tough surface and has good wetting properties and low temperature curing. A surface tolerant paint which may be used as an intermediate or finishing coat in heavy duty paint system where low VOC and high film build are required.	80%	216 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	4hrs	
Hempadur Mastic 45881	Polyamide adduct cured epoxy. Self-primed high solids coating which forms a hard and tough surface and has good wetting properties. A surface tolerant paint which may be used as an intermediate or finishing coat in heavy duty paint system where low VOC and high film build are required.	80%	218 g/L; 1.8 lbs/gal		125 µm 5 mils	6.4 m ² /L - 125 µm; 256.6 sqft/gal - 5 mils	2	3:1	1hr	3hrs	
Hempalin Enamel 52140	Alkyd enamel. General purpose glossy finishing coat on interior and exterior steel, woodwork and engine rooms. Weather resistant. Resistant to salt water, spillage of mineral oil and other aliphatic hydrocarbons. A low flame spread material.	46%	425 g/L; 3.5 lbs/gal		30 µm 1.2 mils	15.3 m ² /L - 30 µm; 613.5 sqft/gal - 1.2 mils	1	N/A	N/A	6-8hrs	

RAL / Hempel colors

RAL 1000 22500
 RAL 1001 24900
 RAL 1002 20470
 RAL 1003 27030
 RAL 1004 27040
 RAL 1005 27050
 RAL 1006 20820
 RAL 1007 27070
 RAL 1011 27110
 RAL 1012 23120
 RAL 1013 17130
 RAL 1014 20420
 RAL 1015 27150
 RAL 1016 27160
 RAL 1017 27170
 RAL 1018 27180
 RAL 1019 27190
 RAL 1020 27200
 RAL 1021 20250
 RAL 1023 27230
 RAL 1024 27240
 RAL 1026 27260
 RAL 1027 27270
 RAL 1028 27280
 RAL 1032 27320
 RAL 1033 27330
 RAL 1034 27340
 RAL 1035 19350
 RAL 1037 27370
 RAL 2000 22120
 RAL 2001 50060
 RAL 2002 57020
 RAL 2003 57030
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 RAL 2005 50180
 RAL 2007 57070

RAL 2008 57080
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 RAL 2010 57100
 RAL 2011 57110
 RAL 2012 57120
 RAL 2013 59130
 RAL 3000 50170
 RAL 3001 57150
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 RAL 3003 51710
 RAL 3004 50100
 RAL 3005 51800
 RAL 3007 57370
 RAL 3009 53090
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 RAL 3018 57480
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 RAL 3031 57410
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 RAL 4005 37050
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 RAL 4008 57680

RAL 4009 57690
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 RAL 5000 37000
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 RAL 9006 19000
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 RAL 9011 17910
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 RAL 9018 17980
 RAL 9022 19360
 RAL 9023 19230

About Hempel

As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the protective, marine, decorative, container and yacht industries. Hempel factories, R&D centers and stock points are established in every region.

Across the globe, Hempel's coatings protect surfaces, structures and equipment. They extend asset lifetimes, reduce maintenance costs and make homes and workplaces safer and more colorful. Hempel was founded in Copenhagen, Denmark in 1915. It is proudly owned by the Hempel Foundation, which ensures a solid economic base for the Hempel Group and supports cultural, social, humanitarian and scientific purposes around the world.

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