

System 1

Location

Structural steel and exteriors of equipment, vessels piping and valves (Un-insulated)

Description

Operating temperature < 120°C

Pre-qualification is required

Zinc Epoxy

Product	DFT μm
Hempadur Pro Zinc 17380	60
Hempadur Mastic 45880	140
Hempathane HS 55610	80
Total	280
Hempadur Pro Zinc 17380	60
Hempadur Mastic 4588W	120
Hempaxane 55000	100
Total	280
Hempadur Pro Zinc 17380	60
Hempadur Mastic 4588W	160
Hempaxane Classic 55030	60
Total	280
Hempadur Pro Zinc 17380	60
Hempadur Mastic 4588W	175
Hempel's Pro Acrylic 55850	75
Total	310
Hempadur Pro Zinc 17380	60
Hempadur Quattro 17634	160
Hempathane HS 55610	60
Total	280
Hempadur Avantguard 750	60
Hempadur Quattro XO 17770	140
Hempathane DTM 55620	80
Total	280
Hempadur Avantguard 750	60
Hempadur Mastic 45880	140
Hempathane DTM 55620	80
Total	280
Hempadur Avantguard 750	60
Hempadur 47300	140
Hempathane DTM 55620	80
Total	280

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Product	DFT μm
Hempadur Avantguard 770	60
Hempadur Mastic 4588W	200
Hempathane DTM 55620	40
Total	280
Hempadur Avantguard 750	60
Hempadur 47300	160
Hempathane HS 55610	60
Total	280
Hempadur Avantguard 770	60
Hempadur 47300	160
Hempathane HS 55610	60
Total	280
Hempadur Avantguard 770	60
Hempadur 45880	140
Hempathane HS 55610	80
Total	280
Hempadur Avantguard 770	60
Hempadur 4774D	160
Hempathane HS 55610	60
Total	280
Hempadur Avantguard 770	60
Hempadur XO Quattro 17870	160
Hempathane HS 55610	60
Total	280
Hempadur Avantguard 750	60
Hempadur XO Quattro 17870	160
Hempathane HS 55610	60
Total	280

Zinc Silicate

Product	DFT μm
Hempel's Galvosil 15700	75
Hempadur 47140	150
Hempathane Topcoat 55210	50
Total	275
Hempel's Galvosil 15700	75
Hempadur Mastic 45880	200
Hempathane Topcoat 55210	50
Total	325
Hempel's Galvosil 15700	60
Hempadur Mastic 4588W	160
Hempathane HS 55610	60
Total	280

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Product	DFT μm
Hempel's Galvosil 15700	60
Hempadur Mastic 4588W	160
Hempel's Pro Acrylic 55883	60
Total	280
Hempel's Galvosil 15750	60
Hempadur Mastic 45880	140
Hempathane HS 55610	80
Total	280
Hempel's Galvosil 15700	60
Hempadur XO Quattro 17760	25
Hempadur XO Quattro 17760	135
Hempel's Pro Acrylic 55883	60
Total	280
Hempel's Galvosil 15700	60
Hempadur XO Quattro 17870	25
Hempadur XO Quattro 17870	135
Hempel's Pro Acrylic 55883	60
Total	280
Hempel's Galvosil 15700	60
Versiline CUI 56990	150
Versiline CUI 56990	150
Total	360

Non-Zinc²

Product	DFT μm
Hempel's Polyester GF 35990	500
Hempel's Polyester GF 35990	500
Total	1000

Note 1 = Subject to owner approval, a pre-qualified topcoat may be substituted for another topcoat if the topcoat thickness and the intermediates remain the same. The topcoat listed is the one tested. Commonly used topcoats, which may be substituted include Hempathane HS 55610, Hempathane DTM 55620, Hempathane Topcoat 55210, Hempel's Pro Acrylic 55883 and Hempaxane 55030. This note applies to all of the above systems.

Note 2 = Specialized coating systems with at least two coats and without zinc rich primers, may be selected for particularly exposed areas on installations provided the coating system is pre-qualified in accordance with 10.1, the coating thickness is > 1000 μm DFT and provided relevant successful field experience is documented. This note applies to the systems listed under non zinc.

Note 3 = Systems with a chalking rating of 1 shall be preferred. Contact Hempel for further details. This note applies to all of the above systems.

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