

SIGMAGUARD 720 TANKCOATING SYSTEM

3320

a three page issue

January 2010
revision of July 2009**GENERAL DESCRIPTION**

The SigmaGuard 720 tankcoating system is a fast drying, glossy, easy to clean tankcoating, with good resistance against a wide range of chemicals including water and ballast water.

The tankcoating system consists of one coat SigmaGuard 720 grey followed by one coat SigmaGuard 720 green.

The specified total minimum dry film thickness is 250 µm, locally the maximum should not exceed 600 µm.

Edges, weld seams, backsides of bulbs, corners and other areas not readily accessible to spray application should be stripe coated by brush with the next coat of the system to achieve the specified film thickness.

For detailed information on resistance and resistance notes, please refer to the latest issue of the Tankcoating Resistance list (TRIS)

For recommended application instructions

– see working procedure –

SPECIFICATIONS FOR IN SITU BLASTED STEEL

SPECIFICATION 1	system for chemical and solvent resistance according to the latest issue of the Tankcoating Resistance list (TRIS)	
pretreatment	steel; blast cleaned to a minimum of ISO-Sa2½ blasting profile (R _Z); 40 - 70 µm	
paint system	SigmaGuard 720 grey	125 µm
	SigmaGuard 720 green	125 µm

SPECIFICATION 2	maintenance of minor defects	
pretreatment	corroded damaged spots and other defects should be freed from rust and any contamination by reblasting to a minimum of ISO-Sa2½ (preferably vacuum blasting) or disc sanding according to SPSS-Pt3 the overlapping areas around the cleaned spots should be carefully disc sanded and feather edged in order to obtain good adhesion of subsequent coats	
paint system	SigmaGuard 720 grey	125 µm
	SigmaGuard 720 green	125 µm
	or	
	SigmaGuard 795	100 µm
	SigmaGuard 795	100 µm

SIGMAGUARD 720 TANKCOATING SYSTEM

3320

January 2010

Data for overcoating

SigmaGuard 720		
substrate temperature	min.	max.
5°C	32 hours	28 days
10°C	24 hours	28 days
15°C	16 hours	28 days
20°C	8 hours	28 days
30°C	4 hours	14 days
40°C	3 hours	7 days

CURING TABLE

substrate temperature	min. curing time of SigmaGuard 720 tankcoating system before transport of	
	aliphatic petroleum products and ballast water and tanktest with seawater	cargoes without note 4, 7, 8 or 11
5°C	10 days	17 days
10°C	7 days	14 days
15°C	5 days	8 days
20°C	3 days	5 days
30°C	2,5 days	4 days
40°C	1,5 day	3 days

- minimum curing time of SigmaGuard 720 tankcoating system before transport of cargoes with note 4, 7, 8 or 11: 3 months
- for detailed information on resistance and resistance notes, please refer to the latest issue of the Tankcoating Resistance list (TRIS)
- adequate ventilation must be maintained during application and curing (please refer to sheet 1433 and 1434)

SIGMAGUARD 720 TANKCOATING SYSTEM

3320

January 2010

REFERENCES

SigmaGuard 720	see product data sheet 7433
SigmaGuard 795	see product data sheet 7455
Safe working in confined spaces	see information sheet 1433
Directives for ventilation practice	see information sheet 1434
Cleaning of steel and removal of rust	see information sheet 1490
Specification for mineral abrasives	see information sheet 1491
Recognized corrosion control coating (Lloyd's register)	see information sheet 1886

Limitation of Liability - The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. PPG Protective & Marine Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.