CORROSION CONTROL COATINGS

1 General

1.1 Until 1991 coatings were approved as a means of corrosion control in association with reduced scantlings for use in

(a) Cargo / ballast or cargo only tanks of tankers carrying crude or refined spirits.

(b) Void spaces, or tanks for the carriage of sea water ballast.

1.2 Although reductions in scantlings are no longer permitted the list of coatings has been retained as a list of recognized corrosion control coatings.

1.3 These coatings are intended for both new construction and maintenance purposes.

1.4 The responsibility for ensuring compatibility between all cargoes to be carried, the inert gas, cathodic protection and coatings rests with the Owners, and the Paint Manufacturers.

2 Procedure for recognition

2.1 In order that consideration may be given to recognizing a coating as a means of corrosion control the following information is required:

(a) The name of the Manufacturer

(b) Trade name of product

(c) Type of product

(d) Applicability, eg water ballast tanks

(e) Recommended surface preparation

(f) Number of coats and dry film thickness

(g) Data sheets on product

(h) Type of guarantee given

(i) Details of service experience

2.2 The coatings listed have given either:

(a) satisfactory service performance under seagoing conditions for a period of not less than 2 years, or

(b) satisfactory performance during laboratory tests carried out for not less than 1 year and of the type considered to simulate the changing conditions met in service

(c) Passed recognized qualification tests.

2.3 Coatings which are of similar types to those previously recognized but do not satisfy the above criteria may be provisionally recognized and these coatings are listed in Chapter 4.

2.4 The coatings are listed in Chapter 3 for a maximum period of 5 years and to be retained on the list after that time it will be necessary for the manufacturer to state that the coating is still being manufactured to the original specification.

3 Abbreviations used in tables

3.1 Type of Coating

Al	Aluminium
Bit	Bituminous
Chlor rub	Chlorinated Rubber
CT	Coal Tar
E	Epoxy
G	Glassflake
Iso	Isocyanate
MI	Micaceous Iron Oxide
non-ox	Non-oxidizing
Phen	Phenolic
P	Pitch
Pe	Polyester
Poly	Polyurethane
T	Tar
V	Vinyl
W	Water Based
ZnR	Zinc Rich
ZnSil	Zinc Silicate

3.2 Applicability

The coatings are designated as follows:

C	Suitable for crude oil
RS	Suitable for refined spirits
B	Suitable for salt water ballast
V	Suitable for void spaces
DBT	Double Bottom Tanks
VO	Suitable for vegetable oil

3.3 Surface Preparation

The following indicates the codes used in the list for the grade of preparation required for steel surfaces prior to application of the coating.

Code used in list	ISO 8501-1 (SIS 055900)
1	Sa 3
2	Sa 2

3.4 Number of Coats

Where coatings have been accepted as single coat applications and are marked with an asterisk particular attention must be made to the thickness at welds, edges and any other changes in section. This may necessitate an additional stripe coat to achieve the minimum dry film coating thickness.

Manufacturer / Trade Name	Type	Applicability	Surface Preparation	Number of Coats	Minimum Dry Film Thickness (microns)	Expiry Date
3TEX INC						/ /
CHEMCO INTERNATIONAL LTD.						
EPO-CHEM RA 500M	E	BV	2	1*- 2	250-600	01/10/2022
CHUGOKU MARINE PAINTS (SINGAPORE) PTE., LTD.						
CMP NOVA SUPERECO	E	BV	Remarks	2	150	21/08/2022
CHUGOKU MARINE PAINTS, LTD.						
EPICON T-500 X 2	E	CB	2	2	200	31/01/2021
EPICON T-500 X 3	E	CB	2	3	250	31/01/2021
EPICON T-500 PRIMER H + EPICON T-500 X 2	E	CB	2	3	225	31/01/2021
EPICON T-500 X 2	E	CB	2	2	225	31/01/2021
EPICON T-500 X 3	E	CB	2	3	200	31/01/2021
GALBON S-HB	ZnSil	CRSB	1	1	65	31/01/2021
CHUGOKU PAINTS (MALAYSIA) SDN. BHD.						
CMP NOVA SUPERECO	E	BV	Remarks	2	150	21/08/2022
CHUGOKU PAINTS B.V.						
CMP NOVA SUPERECO	E	BV	Remarks	2	150	21/08/2022
INTERNATIONAL PAINT (KOREA) LTD.						
INTERLINE 704	E	CRSB	2	2 - 3	250	30/11/2021
INTERGARD 343	E	CB	2	2	250	26/09/2021
INTERGARD 787	E	CB	2	2	250	26/09/2021
INTERNATIONAL PAINT LTD.						
INTERLINE 704	E	CRSB	2	2 - 3	250	30/11/2021
INTERNATIONAL PAINT OF SHANGHAI CO., LTD.						
INTERGARD 787	E	CB	2	2	250	05/07/2021
PPG COATINGS (KUNSHAN) CO., LTD.						
PHENGUARD (930/935/940)	Phen E	CRSB	2	1+1+1	300	12/12/2017
SIGMAGUARD 720	E	CRSB	2	2	250	12/12/2017
PPG COATINGS INDONESIA						
SIGMAGUARD 720	E	CRSB	2	2	250	12/12/2017
PPG COATINGS SPRL/BVBA						
SIGMAGUARD 750	ZnSil	CRSB	2	1	75-100	01/05/2021
PHENGUARD (930/935/940)	Phen E	CRSB	2	1+1+1	300	12/12/2017
SIGMACOVER 280 + SIGMAGUARD 720	E	CRSBV	2	1+2, 1+1	250	12/12/2017
SIGMACOVER 300	CTE	CB	2	2	250-500	26/03/2018
SIGMAGUARD 720	E	BV	2	2	250	21/06/2018
TMP TENAX MARINE PAINTS VERTRIEBS GMBH						
TENAXON T570H	E	BV	2	1*	300	30/09/2017
TRANSOCEAN COATINGS B.V.						
TRANSPOXY TAR 2.12	CTE	CBV	2	2	250	26/04/2022

Manufacturer	*Trade Name*	*Type*	*Applicability*	*Surface Preparation*	*Number of Coats*	*Minimum Dry Film Thickness (microns)*	*Expiry Date*
ZINGAMETALL BVBA							
	ZINGA	ZnRE	V	2	2	120	12/09/2022