



- 1. Status of PSPC
- 2. Preparation for PSPC
- 3. Coating Technical File
- 4. Summary & conclusion









ltem	IMO PSPC	Remark
NDFT	2 spray coats, Epoxy 320 mic. (90/10 Rule)	
Dust	 Rating "1" for size class "3", "4", "5" Invisible with naked eyes for size class "1", "2" 	
Salts	≤ 50 mg/m ² Most critical	
Stripe coat	2 stripe coats, 1 stripe coat can be dispensed on welds subject to meet NDFT	All welds &
	Stripe coat shall be applied by brush or roller. Roller to be used for scallops, rat holes, etc. only.	Edges
Edge	2R, 3 pass grinding or equivalent	
DFT	shall be measured in accordance with Annex 3	
Steel condition ISO 8501-3 P2		
Profile	30 ~ 75 mic. in case of blasting	

ltem	IMO PSPC	Remark
Surface preparation before erection	-Shop Primer damage area : Sa 2.5 -Contamination : Sweeping or H.P washing or equivalent	
Surface	-Butt : St 3 or better	
preparation after erection	-Damage up to 2 % / tank : St 3	
	-Contiguous damage up to 25 m ² : St 3	
Coating Technical File	-prepared by the shipyard -on boarded and maintained	
Qualification of inspector	NACE Level 2, FROSIO Level III or equivalent	
TAC	-All epoxy system shall be type approved -Cross over test with shop primer shall be performed	
Procedure & Inspection	-Three parties agreement -Certified inspector agreed by three parties -CTF shall be verified by the Administration	

ltem	IMO PSPC	Remark
NDFT	1 spray coat, Epoxy 200 mic. (90/10 Rule)	
Dust	- Rating "2" for size class "3", "4", "5"	
Salts	\leq 50 mg/m ² for PSP & \leq 100 mg/m ² for SSP	
Stripe coat	1 stripe coat on thermally cut free edges only Stripe coat shall be applied by brush or roller.	
	Roller to be used for scallops, rat holes, etc. only	
Edge	1 pass grinding or equivalent	
DFT	shall be measured in accordance with Annex 3	
Steel condition	ISO 8501-3 P1	
Profile	30 ~ 75 mic. in case of blasting	

ltem	IMO PSPC	Remark
Surface preparation before erection	-Shop Primer damage area : Sa 2 or St 3 -Contamination : Sweeping or H.P washing or manufacturer's recommendation	
Surface preparation after erection	-Butt : St 3 or better	
Coating Technical File	-prepared by the shipyard -on boarded and maintained	
Qualification of inspector	NACE Level 2, FROSIO Level III or equivalent	
TAC	-All epoxy system shall be type approved -Cross over test with shop primer shall be performed	
Procedure & Inspection	-Three parties agreement -Certified inspector agreed by three parties -CTF shall be verified by the Administration	

Require	ments for PSPC/COT		
ltem	IMO PSPC	Remark	
Coating range	- Deckhead down to PMA height - Bottom up to 0.3 m upward	See figure	
NDFT	spray coats, Epoxy 320 mic. (90/10 Rule)		
Dust	- Rating "1" for size class "3", "4", "5" - Invisible with naked eyes for size class "1", "2"		
Salts	50 mg/m ²		
Stripe coat	2 stripe coats, 1 stripe coat can be dispensed on welds subject to meet NDFT	_ All welds & Edges	
	Stripe coat shall be applied by brush or roller. Roller to be used for scallops, rat holes, etc. only.		
Edge	2R, 3 pass grinding or equivalent		
DFT	shall be measured in accordance with Annex 3		
Steel condition	ISO 8501-3 P2		
Profile	30 ~ 75 mic. in case of blasting		

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ltem	IMO PSPC	Remark
Surface preparation before erection	-Shop Primer damage area : Sa 2 or St 3 -Contamination : Sweeping or H.P washing or equivalent	
Surface preparation after erection	-Butt : St 3 or better -Damage up to 3 % / tank for Deckhead : St 3 -Damage up to 20 % / tank for Bottom : St 3 -Contiguous damage up to 25 m ² : St 3	
Coating Technical File	-prepared by the shipyard -on boarded and maintained	
Qualification of inspector	NACE Level 2, FROSIO Level III or equivalent	
TAC	-All epoxy system shall be type approved -Cross over test with shop primer shall be performed	
Procedure & Inspection	-Three parties agreement -Certified inspector agreed by three parties -CTF shall be verified by the Administration	



Comparison/summary of PSPC

ltem	PSPC/WBT	PSPC/COT	PSPC/VOID	
Method of application	Mandatory		Non-mandatory	
Type of ships	All type of ships <u>Crude oil tanker*</u>		Bulk & Tanker	
Area to be protected	All area	Top & Bottom	All area	
NDFT	2 coats, 320µm		1 coat, 200µm	
Dust for size "3", "4", "5"	Rating "1"		Rating "2"	
Allowable salt level	50 mg/m ²		100 mg/m ²	
Stripe coat	2 coats on all edges & welds		1 coat on cut edge	
Edge treatment	2R, 3 pass		1 pass	
Steel condition	P2		P1	
SSP at block	Sa 21/2		Sa 2 or St 3	
St 3 for after erection	Damage < 2 %	Damage < 3 % or 20%	-	
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Inspection of surface preparation and coating processes agreement shall be signed by shipyard, ship owner and coating manufacturer and Shall be presented by the shipyard to the Administration for review prior to commencement of any coating work on any stage of a new building and as a minimum shall comply with the PSPC.









As for the PSPC/WBT ;



Since HHI Started PSPC from Aug. 2008

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I. Agreement for procedure and Inspection

- 1. Cover 🔘
- 2. Coating specification & TAC (a) (a)
- 3. Coating inspector
- 4. Block / Compartment list @
- 5. Technical data sheets
 - 1) Technical data sheet (TDS) @
 - 2) Material safety data sheet (MSDS) @
- 6. Procedure for coating and inspection (KSPIP : Korean Shipbuilders' Painting and Inspection Practice) (2)

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II. Inspection reports

- 1. PSP 🍥
- 2. SSP and coating log (Block) (a)
- 3. SSP and coating log (Erection joint) (
- 4. List of water ballast tanks @
- 5. Summary report for block @
- 6. Summary report for each tank (

III. Procedure for in-service maintenance and repair ; refer to MSC.1/Circ.1330 @





2. Korean shipyard (HHI) has sufficient facilities as well as abundant qualified people, which are enough to build the vessels meeting PSPC.

3. Korean shipyard's verified system for PSPC application assures required coating quality.

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In addition, PSPC related inspection should be performed by the qualified persons who have good knowledge on PSPC and are familiar with the builder's practice.

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Certification is the least for the qualification, inspection is to be prepared to confirm whether to meet PSPC requirement, not to resolve inspector's personal doubts / curiosity / ignorance

