

Inspection and Testing Requirements - Coating - Requirements Daily Contractor Inspection Checklist

Facility Name: + CONOCOPHILLIPS TGT	Date: 11/08/05	
Work Pack No:	No. of Contractor Personnel On Site: 4	
Job Card No:	Client Representative: DAVE KID	
Area Description: VESSEL C108	Inspector: ALLAN CAVE	
	Specification No: N/A	Rev:

Scope of work

Inspect and test coating applied to vessel C108 which was blasted and primed with Intertherm 228 x 2 coats @100ums and overcoated with liquid insulation TC Ceramic 2.5 mm

Satisfactory Unsatisfactory

INSPECTION and TESTING

ADDITIONAL COMMENTS

Pre-Surface Preparation			
1	Condition of edges, weld splatter, etc	Accept	
2	Grease/Oil removed as per Specification	Accept	
3	Visible Moisture?	Accept	
4	Sensitive Devices Protective Coverings	Accept	
5	Type and Size of Abrasive (record)	Accept	
6	Abrasive Dry and Clean	Accept	
7	Compressed air cleanliness (Blotter Test) - <i>White Rag</i>	Accept	
8	Nozzle air pressure (record)	Accept	
Surface Preparation			
9	Ambient Conditions (See Above)	Accept	
10	Degree of cleanliness Achieved (as per Spec) (record)	Accept	
11	Profile Achieved (as per Spec) (record)	Accept	
12	Dust and abrasive removal (Tape Test)	Accept	
13	Chloride Levels as per Technical Data Sheet	N/A	
Mixing			
14	Product Name/Mfr/Batch Number/Expiry (record)	Accept	
15	Equipment Clean and Operational	Accept	
16	Mix ratio/Induction (as per Mfr Technical Data Sheet) (record)	Accept	
17	Time of mixing (record)	Accept	
18	Correct thinners/amount (record)	Accept	
19	Material temperature/pot-life (record)	Accept	
Application			
20	Ambient Conditions (See Above)	Accept	
21	Applicator's name (record)		
22	Surface Prep Completion Time to Application Time (Record)	Accept	
23	Protection of areas and items not to be coated	Accept	
24	Time application began and substrate surface temp	Accept	
25	Stripe Coating completed (as per spec) (record)	Accept	
26	Type of Application Equipment & tip size (record)	Accept	
27	Wind Conditions at time of application (High, Slight breeze, etc)	Accept	
28	Surrounding air cleanliness	Accept	
29	Recoat time observed (record)	Accept	
30	Intercoat cleanliness	Accept	
31	Proper pot agitation	Accept	
32	Time Application complete & surface temperature (record)	Accept	





COATING INSPECTION VERIFICATION FOR ONSHORE STRUCTURES

TMS/24/F/02
Rev: 04

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Inspection			
33	Visual appearance (runs, sags, overspray, etc) 100%	See note	Couple of minor areas of dry spray
34	Dry Film Thickness (As per Spec) (record)	Accept	
35	Holiday Test (As per Spec)	N/A	
36	Cure Test	Accept	
37	Adhesion Test (after 7 day cure)	Accept	BS 3900 F6 CROSS CUT

Inspection comments:
Visual coating inspection carried out to the 87M2 of TC Ceramic applied to vessel C108 80M2 was found to be good sound adhering coating to the primed substrate, there was however a few minor areas of dry overspray similar to orange peel appearance which will require some minor remedial repair such as abrading flush and cosmetic top coat

Adhesion tests carried out in accordance with BS3900 F6 Cross cut method x @ 90 Deg angle penetrating to the substrate, four tests were carried out at each level at the 3, 6, 9, 12 O'clock position around the circumference of the vessel the adhesion was examined by attempting to force the knife between the TC Ceramic and the primed substrate, the coating was found to be sound with no lifting or peeling back of the coating result acceptable

Dry film thickness checks were carried out to the 87M2 of TC Ceramic applied to vessel C108 reading recorded during time of inspection 2 to 2,5 mm Acceptable

The thermal conductivity of TC Ceramic insulation was found to be exceptional with internal operating temperature recorded at 110 Deg C with the external temperature noted on the TC Ceramic at 30-35 Deg C for good personnel protection and heat conservation

INSPECTORS SIGNATURE: 	DATE: 11/8/05
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