

قطر للبتروول
Qatar Petroleum



Paint systems requirements

The following painting systems have been tailored to meet the QP refinery painting and coating demands. During the technical evaluation stage, the submitted painting systems shall be subject to QP Approval. All the paint supplier shall submit the equivalent of their brand names to every paint system individually and the most technically competitive product amongst the submittals shall be selected.

Approved vendor list

The following paint vendors are approved by QP Refinery:

Jotun paints.-Hempel paints.-Belzona.-International Paint-Ameron. -Carboline.-
Chestertone Sigma Paints.

ANNEXURE - 1

ENERGY TECHNICAL SERVICES, POST BOX 4718, DOHA, QATAR TEL:- 44428492 AND FAX:- 4442 7455
83 STORAGE TANKS SUPPLIES FROM CHESTERTON/CONTRACT NO GTC 11101800

Product	Unit Rate in Q.R./LITER	VS	SYSTEM	Area in M ²	Paint Qty (LTR)	Paint price (Q.R)	REMARKS
Chesterton ARC 982		100	CL	45,000		30,000.00	QUOTATION REFERENCE PEC/OTM 04/REV/03 AND SUBSEQUENT DISCUSSIONS HELD WITH YOU AT ETS OFFICE ON 14/05/12
Chesterton ARC 544		100	C2	31,000		20,646.67	
Chesterton ARC - HT - S		200	C3	1,000		700.00	
Chesterton ARC - HT - S		100	C4	1,000		1,000.00	
CAULKING MATERIAL FOR BUILDUP							
ARC 858		100	ALL	500		1,000.00	
TRADE DISCOUNT							
TERM AND CONDITIONS:-				SUMMARY OF TOTAL PRICE FOR THE PROJECT			

- 1) ALL THE MATERIALS ARE SUBJECT TO MANUFACTURER'S GUARANTEE FOR 5 YEARS PERIOD
- 2) ALL THE MATERIALS DELIVERED TO CARRY BATCH CERTIFICATES FROM THE MANUFACTURER
- 3) PEC WILL MAINTAIN MINIMUM STOCK QUANTITY OF 4000-5000 LITERS IN THEIR DOHA WARE HOUSE FOR SHORT DELIVERY
- 4) ANY MATERIALS REQUIRED MORE THAN THE ABOVE SHALL BE GIVEN 60 DAYS NOTICE PERIOD FOR EXTRA QUANTITIES REQUIRED
- 5) FLURAL COMPONENT MACHINE SHALL BE SUPPLIED TO ETS FREE OF COST FOR 6 MONTHS PERIOD AS WHEN REQUIRED WITH NOTICE PERIOD OF 2 DAYS
- 6) THE PRICES QUOTED ARE VALID FOR WHOLE CONTRACT DURATION AND IN THIS CONNECTION CHESTERTON NEED TO EXERCISE THEIR SUPPLIERS FOR RAW MATERIALS SOURCING
- 7) ETS WILL COLLECT THE MATERIALS FROM DOHA WAREHOUSE OF PEC
- 8) GATE PASS ASSISTANCE (WITHOUT A.M.C. CHARGES) SHALL BE ARRANGED FROM ETS FOR YOUR PERSONNEL
- 9) AIR FREIGHT CHARGES ARE NOT INCLUDED AND BUT UPON ETS REQUEST PEC WILL ARRANGE MATERIALS WITH ADVANCE COST INFORMATION TO ETS
- 10) PEC WILL EXTEND THEIR TECHNICAL SUPPORT INCLUDING APPROVED INSPECTOR DURING PROGRESS OF WORKS AT FREE OF COST
- 11) NECESSARY TRAINING AND CERTIFICATION WILL BE EXTENDED TO ETS PERSONNEL FOR CHESTERTON PRODUCTS APPLICATION
- 12) PRIORITY - LOCAL SUPPLIERS
- 13) IN CASE PEC FAIL TO MEET DELIVERY SCHEDULE THEN ETS RESERVES RIGHT TO SOURCE THE MATERIALS FROM OTHERS AND DIFFERENCE IN COST SHALL BE BACK CHARGED TO PEC
- 14) PEC WILL PUT BEST EFFORTS FOR INITIAL DELIVERIES OF 2500 LITERS WITH IN 22 DAYS FROM DATE THIS LPO.
- 15) T.C. WILL BE IN FAVOR OF POWER ENGINEERING CORPORATION. BANK NAME - QATAR INTERNATIONAL ISLAMIC BANK, ACCOUNT NUMBER: 1111 073-074 001
- 16) DELIVERY - MAXIMUM 60 DAYS BY SEA FREIGHT AND AIR FREIGHT 21 DAYS FROM THE DATE OF DEMAND LETTER ISSUED FOR REQUIRED QUANTITIES FROM ETS.
- 17) DURATION OF LPO - 14/05/2012 TO 30/04/2018 (REMAIN VALID FOR THE PERIOD)



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PAINT SYSTEM NO. C1

Internal coating of vessels, cooling water system heat exchangers and LGO tanks for service at temperature up to 70 C that are subject to marked pressure/temperature changes and /or acidic or other aggressive chemicals.

<u>PAINT MATRIX</u>							
Surface Preparation	Shop or field application	DFT Per coat	Intermediate coat	DFT Per coat	Top Coat.	DFT Per Coat	Total DFT
Degreasing/ high pressure water washing/Blast clean to Sa 3.	Two component high build solvent free modified epoxy with ceramic filler.	250 μ m	Two component high build solvent free modified epoxy with ceramic filler.	250 μ m	None		500 μ m

Notes:

1. The dry film thickness could range from 500 – 1000 μ m depending upon product used subject to manufacturer recommendations and QP Engineer approval.
2. The coating can be applied by brush or trowel for small areas like the floating heads of the heat exchangers while for large areas like tanks, a sprayable version of the coating material is a must.
3. The QP Engineer shall request for the list of chemicals that the coating material can withstand.
4. The adhesion of such coating shall be at least 5 Mpa.
5. A two-pack Epoxy ceramic based component compatible with ~~the~~ ^{ALLQP} system, ~~to be supplied to~~ repair/caulk the pitting and coving as required.
6. For storage tanks coating, hand application is not accepted and the contractor must make the plural component spray machine available if the airless spray machine is incapable to apply the material within its potlife.

Paint system No. C2

Internal coating of vessels and tanks for service at temperature above 70 C to 90 C that are subject to marked pressure/temperature changes and /or acidic or other aggressive chemicals.

PAINT MATRIX							
Surface Preparation	Shop or field application	DFT Per coat	Intermediate coat	DFT Per coat	Top Coat.	DFT Per Coat	Total DFT
Degreasing/ high pressure water washing /Blast clean to Sa 3.	Two component high build solvent free modified epoxy with ceramic filler.	250 μ m	Two component high build solvent free modified epoxy with ceramic filler.	250 μ m	None		500 μ m

Notes:

1. The dry film thickness could range from 500 – 1000 μ m depending upon product used subject to manufacturer recommendations and QP Engineer approval.
2. The coating can be applied by brush or trowel for small areas while for large areas like tanks, a sprayable version of the coating material is a must.
3. The QP Engineer shall request for the list of chemicals that the coating material can withstand.
4. The adhesion of such coating shall be at least 5 Mpa.
5. A two-pack Epoxy ceramic based component compatible with the system, to be supplied to repair/caulk the pitting and coving as required.
6. For storage tanks coating, hand application is not accepted and the contractor must make the plural component spray machine available if the airless spray machine is incapable to apply the material within its potlife.



PAINT SYSTEM NO. C3

Internal coating of vessels and tanks for service at temperature above 90 C to 120 C that are subject to marked pressure/temperature changes and /or acidic or other aggressive chemicals.

<i>PAINT MATRIX</i>							
Surface Preparation	Shop or field application	DFT Per coat	Intermediate coat	DFT Per coat	Top Coat.	DFT Per Coat	Total DFT
Degreasing/ high pressure water washing/Blast clean to Sa 3.	Two component high build solvent free modified epoxy with ceramic filler.	250 µm	Two component high build solvent free modified epoxy with ceramic filler.	250 µm	None		500 µm

Notes:

1. The dry film thickness could range from 500 – 1000 µm depending upon product used subject to manufacturer recommendations and QP Engineer approval.
2. A two-pack Epoxy ceramic based component compatible with the system, to be supplied to repair/caulk the pitting and coving as required.
3. For storage tanks coating, hand application is not accepted and the contractor must make the plural component spray machine available if the airless spray machine is incapable to apply the material within its potlife.

Paint system No. C4

Internal Coating of vessels (De-salters) for service at temperature up to 180C that are subject to marked pressure/temperature changes and other aggressive chemicals.

<i>PAINT MATRIX</i>							
Surface Preparation	Shop or field application	DFT Per coat	Intermediate coat	DFT Per coat	Top Coat.	DFT Per Coat	Total DFT
Degreasing/ high pressure water washing/Blast clean to Sa 3.	Two component high build solvent free modified epoxy with ceramic filler.	500 μ m	Two component high build solvent free modified epoxy with ceramic filler.	500 μ m	None		1000 μ m

- **Notes:** The dry film thickness could range from 500 – 1000 μ m depending upon product used subject to manufacturer recommendations and QP Engineer approval.
- A two-pack Epoxy ceramic based component compatible with the system, to be supplied to repair/caulk the pitting and coving as required.