

Our Ref : ENGG/MCI/CORRES/10.08/2020/03
 Date : 4th November 2020

Hana Paint (M) Sdn Bhd
 No 22 Jalan Mega 1/5,
 Taman Perindustrian Nusa Cemerlang,
 79200 Iskandar Puteri,
 Johor, Malaysia

Attn: John Tan,
 Technical Director

Dear Sir,

Re: APPLICATION TO BE LISTED UNDER PETRONAS APPROVED COATING LIST FOR PRODUCT COOL GALV and COOL GALV+

We are pleased to inform that PETRONAS Protective Coating Technical Committee (PPCTC) hereby confirmed that we had carried out technical assessment on Cool Galv+ Product by **Hana Paint (M) Sdn. Bhd.** as per requirement by PTS 15.20.03 Protective Coatings and Linings.

The Cool Galv+ Product is now APPROVED for usage at PETRONAS facilities and its subsidiaries with immediate effect until a period of 1 year from the date of this letter.

The application of CoolGalv Product is approved under below condition:

Approved System	System M1D (Carbon Steel Substrate, Atmospheric Zone, Touch-up with Insulation)
Surface Preparation	SSPC-SP11: Power-Tool Cleaning (To Bare Metal)
Application Temperature	Minimum: 5 °C Maximum: 40 °C
Coating Application	1 st Layer Single-pack Moisture Curing Zinc Primer (Cool Galv), Nominal DFT 70 µm 2 nd Layer Single-pack Moisture Curing Zinc Primer (CoolGalv+), Nominal DFT 70 µm

Contractor to discuss details on products specification, application, warranty term and limitations prior using it with PETRONAS facilities and its subsidiaries.

Above product will be listed under PETRONAS Approved Protective Coating Master List.

Followings are the conditions that read together with this approval;

- a) *PETRONAS reserves the right to partially or completely withdraw any approval given to the vendor should there is any technical discrepancies found with their product and/ or services.*
- b) *PETRONAS and its subsidiaries have the right to request for full reimbursement to the vendor on any expenses incurred as a result of product and/ or service discrepancies that affected the quality of the work.*
- c) *The vendor shall provide their utmost product quality and workmanship to ensure best performance rendered for their work and product.*
- d) *At any time or condition, PETRONAS may randomly request the vendor to submit their product for quality testing to accredited third party laboratory e.g. SIRIM Shah Alam to ensure the supplied products to the market are sustainably meeting the product specifications and compliance to PETRONAS requirement. The cost of the testing shall be borne by the vendor.*
- e) *Product application must be compliance to PTS 15.20.03 Protective Coating and Linings*

We look forward to your active participation in our energy business.

Thank you,

Yours sincerely,

For **PETROLIAM NASIONAL BERHAD (PETRONAS)**



4 Nov 2020

Muhammad Hawari bin Hasan

Chairman for PETRONAS Protective Coating Technical Committee (PPCTC)
Materials, Corrosion and Inspection (MCI)
Engineering Department,
Group Technical Solutions,
Project Delivery & Technology,
PETRONAS

c.c

Head
Materials, Corrosion & Inspection (MCI),
Engineering Department,
Group Technical Solutions,
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