



**NIPPON  
PAINT**

**Protective  
Coatings**



# Coatings for Cargo Tanks

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**HI-PON 80-03**

**HI-PON 80-04**



# HI-PON 80-03 / HI-PON 80-04

Hi-Pon 80-03 / Hi-Pon 80-04 is a two-pack epoxy phenolic coating system for blast-cleaned and primed steel surfaces, based on alkylated amine epoxy phenolic technology. Its wide-ranging chemical resistance and high thermal heat resistance of up to 150°C make it a durable, high-performance coating system for steelwork and concrete surfaces in both immersion and non-immersion service.

## Applications

Hi-Pon 80-03 / Hi-Pon 80-04 is suitable for use as an internal lining for tanks in contact with:

- Crude oil
- Methanol
- Unleaded gasoline blends
- MTBE
- Jet fuel (Aviation fuel)
- Caustic solutions
- Selected aromatic and aliphatic hydrocarbons
- Potable water (Drinking water)
- Bulk foods and liquids including palm oil

## Certification

Hi-Pon 80-03 / Hi-Pon 80-04 is tested and certified in accordance with the following standards:

- BS 6920 for contact with potable water
- EI Standard 1541, section 2.2 & 3 for aviation fuel storage tanks and piping
- Defence Standard 80-97 Issue 5 Annex B

## Performance Data

Applied directly to Sa 2.5 blasted steel

Test Items	Test Method	Specification	Results
Condensation	ISO 6270	2x150 µm DFT	Passed 1,000 hrs
Salt Spray Test (5% NaCl)	ISO 9227	2x150 µm DFT	Passed 1,000 hrs
Fresh Water Immersion	ISO 2812-2	2x150 µm DFT	Passed 12 months
Sea Water Immersion	ISO 2812-2	2x150 µm DFT	Passed 12 months
De-ionised Water Immersion	ISO 2812-2	2x150 µm DFT	Passed 12 months
Pull-Off Adhesion	ISO 4624	2x150 µm DFT	Minimum 5 MPa
Impact Resistance	ISO 6272	2x150 µm DFT	Passed 2 Joules
Abrasion Resistance	ASTM D 4060	2x150 µm DFT	Average 92 mg weight loss, 1,000 cycles, CS10 wheels/ 1 kg loading

### Notes:

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Nippon Paint (Singapore) Co. Pte Ltd

1, First Lok Yang Road Jurong Singapore 629728 Telephone: +65 6265 5355



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