

Product Datasheet

BU Powder Coatings White Interpon 100 HA000Q

Product Description

Interpon 100 is a series of epoxy based powder coatings that exhibit excellent corrosion protection and chemical resistance when applied over a properly prepared metal substrate. **Interpon 100** is designed for interior application only. **Interpon 100** powders are available in gloss, satin, matte and TXT finishes in a wide range of colors.

Powder Properties

Gloss	85 min
Specific gravity	1.56+/-0.05
Coverage at 1.0 mil	124 sq. ft. / lb. / mil
Storage	80° F
Shelf life	12 months, typical
Cure schedule	6-15 minutes @ 350° F

Test Conditions

The results shown below are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

Substrate	Cold Roll Steel
Pretreatment	Grit Blasting to White Metal
Film Thickness	3.0-10.0 mils
Cure Shedule	15 minutes @ 350° F

Mechanical, Chemical and Durability Tests

	Result	Method
Adhesion	100%	ASTM D3359
Hardness	2H	ASTM D3363
Impact	160/160	ASTM D2794
Flexibility	1/8"	ASTM D522
Salt Spray (Blasted Steel)	< 1/4" creep @ 3528 hrs.	ASTM B117
(Iron Phosphate)	< 1/4" creep @ 1008 hrs	
(Zinc Phosphate)	< 1/4" creep @ 4032 hrs.	
Humidity	No change at 1000 hours	ASTM D2247
Exterior Durability	No	

Safety Precautions

When using, do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation, wear suitable respiratory equipment.

For further information, please refer to the specific product Material Safety Data Sheet (MSDS).

Pretreatment

Steel surfaces to be coated must be clean and free from grease.
For maximum protection it is strongly recommended SSPC SP 10 / NACE No. 2 / SA2.5 Near White Metal Blast for **Interpon 100**.

Application

Interpon 100 powders can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. It is recommended that for consistent application and appearance product be fluidized during application.

Additional Information

Approvals:

NSF/ANSI Standard 51 – Food Equipment Materials.

NSF/ANSI Standard 61 – Drinking Water System Components.

AS/NZS 4020 – Potable water certification for Australia and New Zealand

IKRAM – Potable water certification for Malaysia

Physical Resistance:

Abrasion Resistance	70 mg loss (CS10, 1000g, 3000 cycles) ASTM D4060-07
Chip Resistance 7B	(70 psi 10-24 chips) ASTM 3170-03
Heat Resistance (Dry)	300° F
Heat Resistance (Immerse Water)	200° F
Scrape Adhesion	ASTM 2197 - 10 Passes 10 kg
Falling Sand Abrasion	No wear through to substrate after 690L At 71.3 liters/mil. ASTM D968-05
Cathodic Disbondment	ASTM G95-07 Less than 15 mm (90 days) ambient
Dielectric Strength	37kV/mm

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Chemical Resistance:

Chemical Substance	Percentage	Test Duration
Acetone		1,000 hours
Acid Mine Drainage		90 Days - Discoloration
Aluminum Sulfate @ 95 °F	50 %	14 days
Ammonium Nitrate	10 %	11,000 hours
Ammonium Nitrate	30 %	11,000 hours
Ammonium Sulfate	10 %	11,000 hours
Ammonium Sulfate	30 %	11,000 hours
Benzene		11,000 hours
Bleach (household)		14 days
Castor Oil		11,000 hours
Diesel Fuel (no. 1)		14,000 hours
Deionized Water		11,000 hours
Ethylene Glycol		10,000 hours
Gasoline		11,000 hours
Hard Water		12 Days
Marcellus Produced Brine		90 Days
Methanol		4,600 hours
Methyl Ethyl Ketone (MEK)		1,000 hours
Nitric acid (20 %)		14 days
Phosphoric acid		11,000 hours
Salt Water	5 % concentration (50,000 ppm)	11,000 hours
Salt Water (saturated)	26.5% concentration (265,000 ppm)	14,000 hours
Sea Water	3.5% (35,000ppm)	2 years

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Chemical Resistance:
(continued)

Chemical Substance	Percentage	Test Duration
Sodium Chloride 10%	10% concentration (100,000 ppm)	11,000
Sodium Hydroxide @ ambient – 113°F	50 %	14 days
Sodium Hypochlorite – 14.4 % active chlorine	Saturated	14 days
Sodium Sulfate	15 %	11,000 hours
Toluene		11,000 hours
Urea	15 %	11,000 hours
Vegetable oil		11,000 hours
Vegetable oil (ambient up to 176 °F)		10,000 hours
Vinasse (ambient to 40 °C)		14 days
Vinasse @ 180 °F		14 days – Discoloration
Water – Deionized		11,000 hours
Water – Demineralized (ambient to 140 °)		14 days
Water – Potable		

HA000Q has excellent chemical resistance to substances with a pH of 4-14 at Ambient Temperature.

HA000Q can be used with ANSI / AWWA C652-02 tank cleaning methods 1, 2, and 3.

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