

Product Datasheet



Powder Coatings

HA000Q – LIQ Fusion 7000 FBE™

AkzoNobel
Tomorrow's Answers Today

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	15 minutes @ 350 ° F

Test Conditions

Substrate	Cold Roll Steel
Pretreatment	Grit Blasting to White Metal
Film Thickness	3.0-10.0mils

Mechanical, Chemical and Durability Tests

	Result	Method
Adhesion	100%	ASTM D3359
Hardness	2H	ASTM D3363
Impact	160/160	ASTM D2794
Flexibility	1/8"	ASTM D552
Salt Spray	1/8" creep at 2000 hours No blisters at 6000 hours not scribed	ASTM B117
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).

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Additional Information

Meets the requirements of Section 4 of NSF Standard 51 (*Material Information*
Complies fully with applicable FDA food additives regulations in U.S. Code of Federal Regulations, Title 21, Parts 174 through 189 when used as coating for metal.
Listed under NSF 61 / ANSI Standard 61 – Drinking Water System Components
Abrasion Resistance 70mg loss (CS10, 1000g, 3000 cycles) ASTM D4060-07
Chip Resistance 7B (70psi 10-24 chips) ASTM 3170-03
Heat Resistance(Dry): 300°F
Heat Resistance (Immerse Water): 200°F
Scrape Adhesion Passes 10 kg
Falling Sand Abrasion No wear through to substrate after 690 L (Rate 71.3 liter/mill) ASTM D968-05
Cathodic Disbondment Less than 15 mm (90 days) at ambient temperature.
Chemical Resistance(immersion at ambient temperature). No blisters or adhesion loss after 11,000 hours:

Ammonium Nitrate 10% and 30%
Ammonium Sulphate 10% and 30%
Sodium Sulphate 15%
Urea 15%
Sodium Chloride 10%
Castrol Oil
Light Mineral Oil
Cotton Oil
Vegetable Oil
Salt Water 5%
Deionized Water
Phosphoric Acid
Benzene
Toluene
Gasoline
Ethylene Glycol(ambient Temperature) No blisters or adhesion loss after 10,000 hours
Vegetable Oil up to 176°F 168 hours
MEK 1000 hours
Acetone 1000 hours
Sodium Chloride(immersion) 90 days at 155°F
Potassium Biphthalate (Immersion) 90 days at 155°F
Sodium Carbonate(immersion) 90 days at 155°F
Fertilizers 28-0-0 and 10-34-0 (immersion) 500 hours
100% Salt Water(brine) 7 days

HA000Q has excellent chemical resistance to substances with pH 4-14 at Ambient Temperatures

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