

Plasite® 4571



Plasite 4571 is a 100% solids, low bake epoxy formulated to line tank cars and other steel containments in direct food contact.

PRODUCT DETAILS Typical applications for this product include lining rail cars containing corn syrup and other liquid foods. Plasite 4571 is Bis A free and complies with the Food and Drug Administration requirements 21 CFR 175.300 for direct food contact. Plasite 4571 protects steel tank cans and their contents by a single coat of 8 to 12 mils cured in 4 hours by a low temperature bake process.

Plasite 4571 is formulated to be the premier corn syrup tank can lining. It demonstrates a unique combination of properties that provide long service life and low risk of early failure. The Plasite 4571 high adhesion and flexibility improve long term crack resistance. Its high temperature resistance helps Plasite 4571 stand up to steam coil usage.

Plasite 4571 is the low risk solution for long service life in your corn syrup tank cans.

APPLICATIONS

RAIL TANK CARS

FOOD & BEVERAGE LINING

FEATURES

- › Single coat protection
- › Fast cure, low temperature bake
- › FDA compliant
- › Flexible
- › Heat tolerant
- › 1:1 mix ratio
- › 100% solids
- › Low odor

Plasite® 4571

Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Reasons To Use Plasite 4571

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Highly cross linked epoxy	Chemical resistance	Inert to most foods, color and odor free
100% solids formulation	Avoids solvent entrapment	Reliable cure even when thick, Avoids food contamination
Low temperature bake cure	Speeds car throughput	Improves productivity on large files
Flexible formulation	Prevents long term cracking	Extends maintenance cycle
Temperature resistant	Resists steam coil damage	Minimizes repairs due to excessive steam coil temperature
High gloss	Improves draining and cleaning	Faster unloading and to change service
FDA compliant	Useful for direct food contact	Cargo is protected from coating effects

PROPERTIES:		COMPETITOR	PLASITE 4571
MANDREL ELONGATION AMBIENT CURE, OVERNIGHT BAKE 150°F		18%	22%
HEAT CRACKING RESISTANCE AMBIENT-300°F CYCLES	10-12 MILS	NO CRACKS, 7 CYCLES	NO CRACKS, 7 CYCLES
	2 CYCLES AT HIGH THICKNESS	CRACKS	NO CRACKS
TENSILE ELONGATION ASTM D 638		10%	14%
ADHESION ASTM D4541		2983 N/A	3704 PSI
REVERSE IMPACT ASTM D 2794		10 IN. LB.	20 IN. LB.

CORN SYRUP IMMERSION, 12 MONTHS 105°F	NO EFFECT ON CORN SYRUP OR PLASITE 4571
CAUSTIC CLEANOUT CYCLES, 10 CYCLES, 200°F	NO EFFECT ON PLASITE 4571



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