

Plasite® 4550 S

Reinforced Epoxy Novolac



Plasite 4550 S is a 100% solids, flake reinforced, premium novolac epoxy coating designed for steel and concrete substrates in severe service conditions.

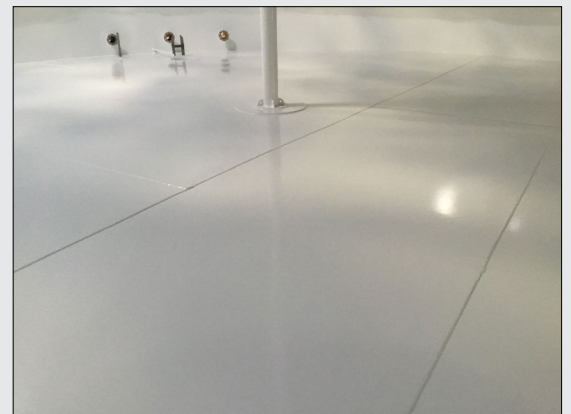
PRODUCT DETAILS Plasite 4550 S has excellent abrasion and impact resistance and exhibits extreme versatility to a wide variety of aggressive chemicals. It is applied by plural component or single component spray equipment for a total thickness of 20-60 mils (500-1500 microns) in a single coat application for various applications. Plasite 4550 S is well suited to withstand some of the industry's most aggressive chemicals and exposures

APPLICATIONS

- CHEMICAL STORAGE TANKS
- LIMESTONE SLURRY TANKS
- CHEMICAL CONTAINMENT AREAS
- CHEMICAL LOADING AND UNLOADING AREAS
- WASTEWATER CLARIFIERS
- CRUDE OIL OR ETHANOL STORAGE TANKS

FEATURES

- › Excellent resistance to chemical attack
- › Excellent abrasion and impact resistance
- › Solvent-free lining
- › Superior bonding qualities
- › High tensile and flexural strength
- › Single-coat application



Plasite® 4550 S

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
- › Carboline is an ISO 9001:2015 certified company

Specification Data for Plasite 4550 S

Solids by Volume	100%
VOC	0.00 g/l
Recommended DFT	Single coat at 35-60 mils
Minimum Cure Temperature	50°F (10°C)
Bond Strength	1700 psi
Tensile Strength	7500 psi (ASTM D638)
Flexural Strength	10,800 psi (ASTM D790)
Flexural Modulus of Elasticity	5.9 x 10 ⁶ psi (ASTM D790)

Hardness	75 (ASTM D2240 Shore D)
Abrasion Resistance	Less than 30 mg loss per 1000 cycles using silicon carbide filler package; ASTM D4060 (1000 gm load, CS-17 wheel)
Pot Life	45 to 60 min (@ 75°F / 23.9°C)
Shelf Life	6 months (@75°F / 23.9°C)
Steel Surface Preparation	SSPC-SP5 or SP10 depending on the service; with a 4-mil sharp angular profile
Colors	Light Grey, Tile Red, Off-White
Cure Times	Dry to touch: 12 hours (@75°F / 23.9°C) Firm: 24 hours (@75°F / 23.9°C) For Service: 5 days (@75°F / 23.9°C)



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