



Poly Lining Systems, Inc. Technical Data Sheet

Marine and Water Applications: PLS 477FC

Description: PLS 477FC is fast cure polyamide epoxy with high solid content which is capable of achieving a high build. It is designed for application to concrete and steel substrates. Steel substrates do not require extensive preparation prior to application. PLS 477FC is a semi-gloss material which can be provided in a wide range of colors. Not for use in potable water applications.

Benefits:

Low VOC, low odor, chemical and abrasion resistant, easy to apply, slip resistant

Ideal for use in marine applications, water treatment plants, pulp and paper mills, offshore platforms, and tank exteriors.

Product Characteristics:

Solids Content

Volume Solids > 70%

Weight of Solids ~ 85% (+/- 2%)

VOC (EPA Method 24)

Unreduced < 250g/L (2.08 lb/gal)

Reduced 10% < 300g/L (2.50 lb/gal)

Reducer/Cleanup with Oxsol 100

Flash Point: 91°F (330C) TCC, mixed

Part A/Part B Ratio = 1:1

Spread Rate/Coat

Wet mils 7 – 13.5, Dry mils 5 – 10

Coverage – 116-232 sq ft (2.8 – 5.7 sq m/L)

Working Time

Recoat Times (minimum): 35°F/1.7°C = 4-5 hrs, 77°F/25°C = 2 hrs, 100°F/38°C = 1.5 hrs

Immersion Times: 35°F/1.7°C = 14 days, 77°F/25°C = 7 days, 100°F/38°C = 4 days

Pot Life: 35°F/1.7°C = 10 hours, 77°F/25°C = 4 hours, 100°F/38°C = 2 hours

Sweat in Time: 35°F/1.7°C = 30 minutes, 77°F/25°C = 30 minutes, 100°F/38°C = 15 min

Maximum recoat time is 1 year. If exceeded, abrade surface prior to recoat

Unopened shelf life is 36 months

Contact Poly Lining Systems, Inc. for further product information.