



Poly Lining Systems, Inc. Technical Data Sheet

Marine and Water Applications: PLS 477PW

Description: PLS 477PW is an epoxy coating which has been specifically formulated for use in tanks, vessels and other equipment contacting potable water. PLS 447 PW is intended to be applied to steel substrates which have been cleaned to meet the specification NACE No.2/SSPC-SP10 Near White Metal Blast. PLS 447PW is a 100% solids formulation featuring good application characteristics.

Benefits:

No VOCs, excellent chemical and abrasion resistance, erosion resistant, easy to apply.

Ideal for use in potable water applications including steel tanks, steel vessels and other steel equipment contacting potable water.

Product Characteristics:

Solids Content

Volume Solids - 100%

Specific gravity (mixed, average) 1.5

Color - Grey or Water Industry Blue - Note: not color stable. A color stable finish requires appropriate top coat.

VOC (EPA Method 24)

No VOCs. 100 % solids epoxy

Part A/Part B Ratio = 2:1

Spread Rate/Coat

Average 10 mils (250 microns)

Coverage - 166 sq ft/gal (4.0 sq m/L) @ 20 mils (500 microns)

PLS 447PW is intended to be applied in 2 coats of 10 mils (250 microns)

Working Time

Recoat Times (minimum): 68°F/20°C = 6 hrs, (maximum) 68°F/20°C = 24 hrs

Full Cure Time: 68°F/20°C = 7 days

Pot Life: 68°F/20°C = 45 minutes

PLS 447PW is primarily designed for application by brush or roller. Good quality brushes or short to medium pile rollers should be used. Optimum results are achieved when both material and substrate are above 59°F/15°C

A single coat application is possible when conducted in accordance with the application instructions.

Unopened shelf life is 60 months from the date of manufacture.

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