

# PANSEAL

## Paste-Grade

### Product Data

2500PG - PANSEAL Paste Grade



### SELECTION & SPECIFIC DATA

#### Generic Type

Epoxy Paste/Caulk

#### Description

PANSEAL Paste Grade is a unique, multi-component, novolac epoxy caulk designed for use as a chine repair or lap weld feathering product for steel tanks. It is often used in conjunction with chemical resistant topcoats such as PANSEAL or DX-3300. PANSEAL Paste Grade has excellent chemical resistance to a wide range of petrochemical products, fuels, organic/inorganic acids & alkalis. It's long re-coat window allows it to be top-coated up to 14 Days, depending on temperatures. PANSEAL Paste Grade is comprised of 100% solids and contains no VOC's. PANSEAL Paste Grade's excellent adhesion properties allow it to bond to steel, concrete and iron even when coating conditions are less than ideal. PANSEAL Paste Grade can be used on a variety of substrates and applications. Typical applications include leak repair, wastewater tanks, lift stations, wet wells, manholes, storage tanks and cooling tower repair, anchor adhesive, plate bonding, pump casting and serves as a high strength structural adhesive for metal bonding. PANSEAL Paste Grade is ideal for majorly damaged surfaces, vertical applications and ceiling work because of it's thick viscosity. PANSEAL Paste Grade can be sanded, drilled, tapped or machined.

#### Product Features & Benefits

- *Immediately seals leaks, cracks on majorly damaged surfaces*
- *Thick viscosity - Ideal for vertical repairs and ceiling work*
- *Easy to apply with a trowel*
- *Bonds chemically and mechanically to substrate*
- *Works on metal, fiberglass, stainless steel, concrete and wood surfaces*
- *100% solids and entirely free of solvents and volatile organic compounds*

#### Recommended Uses

- *Wastewater and Storage Tanks*
- *Cooling Tower Repair and Structural Metal/Concrete Repair*
- *Structural Adhesive for Metal Bonding*
- *Resurfacing Damaged Areas*

<b>Color/Part #</b>	Gray/2500PG
<b>Finish</b>	Matte
<b>Primer</b>	Self-priming
<b>Solids Content</b>	By Volume 100%
<b>Theoretical Coverage Rate</b>	2 sq ft at 800 mils
<b>Dry Time</b>	Dry Times (ASTM D1640), 25 - 30 mils DFT
<b>Tack Free Time</b>	3.5 hours at 25°C (77° F)
<b>Dry Hard Time</b>	8 hours at 25°C (77° F)
<b>Container Size</b>	1 gallon

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#### SUBSTRATES & SURFACE PREPARATION

- General** Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminant.
- Steel** Immersion: SSPC-SP10 Near White with jagged profile of 2.5 – 3.5 mils. Non-immersion: SSPC-SP6 1.5-3.0 mils SSPC-SP2 or SP3 are suitable cleaning methods for mild environments.
- Concrete or CMU** Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require surfacing. Mortar joints should be cured a min of 15 days. Prime with Dynesic DX-1100 Concrete Primer.
- \* *Dynesic DX-1100 primer must be applied prior to application on concrete surfaces.*
- \* *For previously painted surfaces contact Dynesic Technical Service Department.*
- Weld Repair** Use a flame to sweat out oil from deeply impregnated surfaces. Stabilize cracks by drilling the extremities. Long cracks should be drilled, tapped and bolted every few inches. Vee-out all cracks using a file. De-grease using clean rags.

#### MIXING & THINNING

- Mixing** Power mix separately, then combine and power mix. DO NOT MIX PARTIAL KITS.
- Thinning** Up to 8% w/ Acetone or Xylene
- \* *Use of thinners other than those supplied or recommended by Dynesic may adversely affect product performance and void product warranty, whether expressed or implied.*
- Ratio** 3:1 Ratio (A to B) by Volume
- Pot Life** 45 minutes in 8 fl oz mass at 25°C (77°F)
- \* *Do not keep the blended coating in the original container unless immediate use is planned. Otherwise, exothermic heat created during the curing process will considerably shorten the pot life. Pour the coating into a rolling tray or large aluminum-basting pan. Try to keep the depth of the coating in the tray below 3/8".*

#### APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

- Application (General)** This is a 100% solids coating and may require adjustments in application techniques. Apply directly on to the prepared surface with the plastic applicator or spatula provided. Press down firmly to remove entrapped air, fill all cracks, and ensure maximum contact with the surface. Use reinforcement tape over holes and cracks. Fully machinable using conventional tools once cured.
- Brush & Roller** Brush or roller can be used to smooth uncured surface with solvent if desired.

#### CLEANUP & SAFETY

- Cleanup** Use MEK or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
- Safety** Read and follow all caution statements on this product data sheet and on the SDS for this product. Wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

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### Ventilation

When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. User should test and monitor exposure levels to insure all personnel are below guidelines.

### PACKAGING, HANDLING & STORAGE

#### Shelf Life

Part A: 12 months at 75°F (24°C)

Part B: 12 months at 75°F (24°C)

\* When kept at recommended storage conditions and in original unopened containers.

#### Shipping Weight (Approximate)

1 Gallon Kit: 12 lbs. (5.45 kg)

#### Storage Temperature & Humidity

40°F – 110°F (4° – 43°C)

0 – 100% Relative Humidity

#### Storage

Store in a dry, well-ventilated area. Maintain products in original packaging and sealed until ready for use. Avoid exposure to direct sunlight or any adverse environmental conditions that would cause contamination. Refer to Safety Data Sheet for additional information.

### PERFORMANCE DATA

ASTM D-4541 Dry

Blasted Steel 1 ct.

>2,850 psi

Flash Point

Greater than 250°F (121°C)

Specific Gravity

Part A : 1.36

Part B : .82

VOC lbs/gallon

0 grams/liter

Weight per gallon

Part A 11.29

Part B 6.81

Dry Service

250°F (121°C)

Splash/Spill

200°F (93.3°C)

Immersion Service\*

150°F (65°C)

### CURE SCHEDULE & RE-COAT WINDOW

TEMPERATURE	MINIMUM RE-COAT	MAXIMUM RE-COAT	RETURN TO SERVICE
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10°C (50°F)

12 hours

14 days

7 days

25°C (77°F)

3 hours

14 days

24 hours

60°C (140°F)

1 hour

7 days

4 hours

### DYNESIC TECHNOLOGIES

produces exceptional chemically engineered coatings, adhesives and sealants offering premium corrosion protection, while being safe for the environment and user friendly. Dynesic Technologies can be found protecting steel, ductile and concrete substrates worldwide.



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