

PANSEAL

Product Data

PANSEAL Cartridges, Burst Packs
2000PC, 2000PB



SELECTION & SPECIFIC DATA

Generic Type

Polyamide Epoxy

Description

PANSEAL is a unique, multi-component, epoxy system formulated for corrosion control and restoration of petroleum storage tanks. PANSEAL Cartridges & Burst Packs are packaged for 6 square feet of coverage at 15 mils thickness for applications such as sealing leaks in drain pans and other HVAC applications. PANSEAL is flexibilized to reduce coating stress resulting from mechanical and physical forces exerted on the tank bottom. PANSEAL may also be used for chemical storage tanks providing good chemical resistance to organic acids, alkali and salts. PANSEAL is known for its forgiving application characteristics in adverse and varied conditions. PANSEAL quickly seals and repairs leaking and corroded surfaces, forming a new permanently restored surface. PANSEAL has excellent adhesion properties which allows it to bond to steel, concrete and iron even when coating conditions are less than ideal. PANSEAL can be used on a variety of substrates and applications such as wastewater (tanks, lift stations, wet wells, and manholes), storage tanks and cooling tower repair. PANSEAL is also ideal for interior or exterior pipe lining or coating and will protect the substrate with excellent 2700 psi adhesion strength for commercial and industrial applications.

Product Features & Benefits

- *Seals leaks immediately*
- *Minimal system down time*
- *Easy brush/roller/spray application - Sets up underwater*
- *100% solids and entirely free of solvents and VOCs.*
- *Works on metal, fiberglass, stainless steel, concrete and wood surfaces*
- *Bonds chemically and mechanically to the substrate*
- *Excellent adhesion strength - 2,750 psi (pull-off adhesion test ASTM D 4541)*

Recommended Uses

- *Cooling Tower Repair*
- *Condenser Pans*
- *Tank Linings*
- *Secondary Containment Lining*
- *Leak Repair, Flooring, Pipeline Coating, Clarifiers, Collection Systems, Digesters, Lift Stations, Manholes, General Corrosion Protection, Acid Resistant Linings, Abrasion Resistant Linings and Exterior Finishes*

Color/Part #

Light Gray, Dark Gray, Black Red, White

Finish

Gloss

Primer

Self-priming

Solids Content

By Volume 100%

Theoretical Coverage

6 ft² at 15 mils thickness

Dry Temp. Resistance

Continuous: 220°F (104°C) Non-Continuous: 250°F (121°C)
Discoloration and loss of gloss occurs above 200°F (93°C) but does not affect performance.

Under Insulation Resistance

Continuous: 175°F (79°C)

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Elasticity 8%
Specific Gravity resin: 1.45 hardener .97

CHEMICAL RESISTANCE

Acetic Acid 10%	Alkalis	Amonium Hydroxide 25%
Brine Water	Caster Oil	Copper Sulfate
Crude Oil	Diesel Fuel	Ethanol
Ethylene Glycol	Fatty Acids	Fresh and Non-Potable Water
Gasoline	Hydrochloric Acid 20 %	Mineral Spirits
Potassium Hydroxide 50%	Sewage	Sodium Chloride
Sodium Hydroxide 50%	Sulfuric Acid 75%	Wine

MIXING

Cartridges

PANSEAL Cartridges are supplied with a self-mixing nozzle attachment. Attach the mixing nozzle and apply with a caulk gun over the surface. As pressure is applied with the caulk gun, the material mixes itself as it spirals through the mixing nozzle.

Burst Packs

PANSEAL Burst Packs are easy to mix within the package. Remove the separating plastic clip, mix thoroughly within the package, cut off a corner with scissors and squeeze over the surface.

Ratio

3:1 Ratio (A to B) by Volume

Pot Life

8 hours 20 minutes at 5°C (41°F)

2 hours at 25°C (77°F)

50 minutes at 33°C (92°F)

PREPARATION

Remove loose debris. Remove all dirt, dust, oil and all other contaminants. Neutralize existing acids with baking soda if present.

APPLICATION GUIDELINES

Apply PANSEAL toward the leaking surface. PANSEAL will self-level toward the slope, but can also be brushed to move the product throughout the surface area. It is recommended to coat the entire surface to prevent future corrosion. PANSEAL can also be applied vertically by brush.

Although PANSEAL is usually applied on a dry surface, it can be applied in standing water and will immediately stop the leak and cure under water.

If the leak is larger than a quarter inch, mesh can be applied over the damaged surface so PANSEAL will not flow through, but will adhere it to the surface and strengthen the substrate.

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 MSDS for this product. Wear protective clothing, gloves.

PACKAGING, HANDLING & STORAGE

Shelf Life

24 months at 75°F (24°C)

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

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Shipping Weight (Approximate)	1 cartridge: 1 lb. 12 cartridge (case): 12 lbs. 1 Burst Pack: 1 lb. 12 Burst Pack (case): 12 lbs.
Storage Temperature & Humidity	40° - 110°F (4° - 43°C) 0 - 100% Relative Humidity
Storage	Store Indoors. This product is not affected by excursions below these published storage temperatures, down to 10°F, for a duration of no more than 14 days.

PERFORMANCE DATA

TEST METHOD	SYSTEM	RESULTS
ASTM D-4541 Dry	Blasted Steel 1 ct.	>2,500 psi
ASTM D-4541 Dry	Scuffed FBE 1 ct.	>2,000 psi
ASTM D-4541	Blasted Steel 1 ct.	>2,500 psi
Wet 5 days 70 °C water		
ASTM D 4060 Abrasion	Blasted Steel 1 ct.	80 mg. loss 770 cycles per mil
1000 cycles, CS17 wheel 1000 gm. load		
ASTM C-109	Blasted Steel 1 ct.	10,000 - 13,000 psi
Compressive Strength		
ASTM D-2240 Hardness	Blasted Steel 1 ct.	83 - 90 Shore D

CURE SCHEDULE & RE-COAT WINDOW

TEMPERATURE	MINIMUM RE-COAT	MAXIMUM RE-COAT
10°C (50°F)	8 hours	14 days
25°C (77°F)	4 hours	14 days
60°C (140°F)	1 hour	Not recommended

* Return to service - aqueous/hydrocarbon immersion

DYNESIC TECHNOLOGIES

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



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