PANSEAL Paste — 2500 Series

Models: 2500PG, 2500CTR • Generic type: Epoxy paste

Effective Date: September 2026

1. PRODUCT DESCRIPTION

PANSEAL Paste is a 100% solids, no-VOC, multi-component, trowelable epoxy formulated to rebuild, fill and strengthen damaged surfaces. Its thick, non-sag consistency makes it especially useful for vertical repairs, void filling, lap-weld feathering, concrete restoration and other applications where a conventional self-leveling coating is not practical.

PANSEAL Paste bonds strongly to properly prepared steel, concrete, iron, fiberglass, stainless steel and wood. It is commonly used beneath chemical-resistant topcoats such as PANSEAL and ELASTASEAL, and provides excellent resistance to fuels, petrochemicals, organic and inorganic acids, alkalis and corrosive service environments.

Once cured, PANSEAL Paste can be sanded, drilled, tapped or machined. Typical applications include wastewater and storage tanks, cooling towers, lift stations, wet wells, manholes, concrete void repair, structural metal repair, anchor bonding, plate bonding and resurfacing of damaged substrates.

Models — same material, different sizes

Model #	Description	Amount
2500PG	PANSEAL Paste gallon kit — resin / hardener	1 gallon
2500CTR	PANSEAL Paste container	315 g

** Other sizes and amounts available on request.*

2. FEATURES & BENEFITS

- Thick, trowelable consistency — ideal for vertical repairs, void filling and overhead work
- Immediately fills and seals cracks, voids and damaged areas
- 100% solids — no solvents, no VOCs
- Strong chemical and mechanical bond to properly prepared substrates
- Excellent chemical and corrosion resistance
- Can be sanded, drilled, tapped or machined after cure
- Works on steel, concrete, iron, fiberglass, stainless steel and wood
- Long re-coat window — up to 14 days depending on temperature

3. RECOMMENDED USES

- Wastewater and storage tanks
- Cooling tower repair
- Concrete resurfacing and void filling
- Structural metal and concrete repair
- Lap-weld feathering
- Anchor and plate bonding
- Lift stations, wet wells and manholes
- High-strength structural adhesive applications

4. SELECTION & SPECIFICATION DATA

Generic type	Epoxy paste
Color	Gray
Finish	Matte
Primer	Self-priming on most surfaces; use Dynesic DX-1100 Primer on concrete
Solids content by volume	100%
Theoretical coverage	2 sq ft at 800 mils
Tack-free time	3.5 hours at 77 °F (25 °C)
Hard-dry time	8 hours at 77 °F (25 °C)
Mixing ratio	3:1 (A to B) by volume
Specific gravity	Part A: 1.36 · Part B: 0.82
Dry service temperature	250 °F (121 °C)
Splash / spill service	200 °F (93 °C)
Immersion service	150 °F (65 °C)

5. SUBSTRATES & SURFACE PREPARATION

The cleaner and better-prepared the surface, the better the adhesion to the substrate.

Substrate	Preparation
General	Surfaces must be clean and dry. Remove dirt, dust, oil, grease and other contaminants.
Primer	Self-priming on most surfaces. Apply Dynesic DX-1100 Primer before PANSEAL Paste on concrete.
Metal, galvanized	Pressure wash or scrub with a suitable degreaser such as Dynesic DX-ETCH as required. Remove oils, grease, acids and cleaning residues. An etched profile provides optimum adhesion.
Stainless steel	Create an etched profile by abrasive blasting or grinding. An etched rather than polished profile is the goal.
Concrete / CMU	Concrete should be cured 28 days at 75 °F (24 °C) and 50% relative humidity or equivalent. Prepare in accordance with ASTM D4258 and ASTM D4259. Prime with Dynesic DX-1100 Concrete Primer.
Fiberglass, wood	Clean and apply.

** For previously painted surfaces, contact the Dynesic Technical Service Department.*

6. CHEMICAL RESISTANCE

Acetic acid 10%	Alkalis	Ammonium hydroxide 25%	Brine water
Castor oil	Copper sulfate	Crude oil	Diesel fuel
Ethanol	Ethylene glycol	Fatty acids	Fresh / non-potable water
Gasoline	Hydrochloric acid 20%	Mineral spirits	Potassium hydroxide 50%
Sewage	Sodium chloride	Sodium hydroxide 50%	Sulfuric acid 75%
Wine			

** Call or email for a complete chemical resistance list.*

7. MIXING & THINNING

Mixing	Power mix Part A resin separately. Add Part B hardener and power mix thoroughly until uniform.
Thinning	Up to 8% with acetone or xylene when required.
Mix ratio	3:1 (A to B) by volume
Pot life	45 minutes in an 8 fl oz mass at 77 °F (25 °C)

** Use of thinners other than those supplied or recommended by Dynesic may adversely affect product performance and may void the product warranty, whether expressed or implied.*
** Do not leave mixed material in a deep mass unless immediate use is planned — exothermic heat generated during cure can substantially shorten working life. Spread the material onto the work surface or into a shallow working container.*

8. APPLICATION GUIDELINES

Job-site conditions may require adjustments to achieve the desired result. PANSEAL Paste is designed primarily for trowel or spatula application.

Trowel / spatula	Apply directly to the prepared substrate. Press firmly to displace entrapped air, fill cracks and voids, and maximize contact with the surface.
Vertical / overhead work	The thick, non-sag consistency is suited to vertical rebuilding, void filling and overhead repairs.
Finishing	A brush or roller may be used to smooth the uncured surface when appropriate.
Machining	After full cure, PANSEAL Paste may be sanded, drilled, tapped or machined using conventional tools.

9. CURE SCHEDULE & RE-COAT WINDOW

Temperature	Minimum re-coat	Maximum re-coat
50 °F (10 °C)	12 hours	14 days
77 °F (25 °C)	3 hours	14 days
140 °F (60 °C)	1 hour	7 days

10. PERFORMANCE DATA

Test / property	System / condition	Result
ASTM D4541 — Adhesion	Dry blasted steel, 1 coat	> 2,850 psi
Flash point	—	Greater than 250 °F (121 °C)
Specific gravity	Part A / Part B	1.36 / 0.82
VOC	Mixed system	0 g/L
Weight per gallon	Part A / Part B	11.29 lb / 6.81 lb
Dry service	—	250 °F (121 °C)
Splash / spill	—	200 °F (93 °C)
Immersion service	—	150 °F (65 °C)

11. PACKAGING, HANDLING & STORAGE

Shelf life	24 months at 75 °F (24 °C) in original unopened packaging under recommended storage conditions
Shipping weight — 1 gallon kit	12 lb (5.45 kg)
Shipping weight — 4 gallon kit	50 lb (22.73 kg)
Shipping weight — 50 gallon drums	Part A: 700 lb · Part B: 450 lb
Storage temperature	40 – 110 °F (4 – 43 °C)
Storage humidity	0 – 100% relative humidity
Storage	Store indoors. Product is not affected by excursions down to 10 °F for no more than 14 days.

12. CLEANUP & SAFETY

Cleanup	Use MEK or acetone. In case of spillage, absorb and dispose of in accordance with applicable local regulations.
Safety	Read and follow all caution statements on this Technical Data Sheet and the product Safety Data Sheet. Wear appropriate protective clothing and gloves.

13. FIELD REFERENCE

Recommended application sequence

1. Inspect the substrate and remove loose material, contamination, oil, grease and other bond-breaking substances.
2. Mechanically prepare slick or dense substrates as required to create an etched profile.
3. On concrete, apply Dynesic DX-1100 Concrete Primer before PANSEAL Paste.
4. Mix Part A and Part B at 3:1 by volume until completely uniform.
5. Apply with a trowel or spatula, pressing firmly into cracks, voids and irregularities to eliminate entrapped air.
6. Shape or smooth the uncured material as required. Observe the applicable cure and re-coat window before top-coating.

Key field notes

- PANSEAL Paste is intended for rebuilding and filling; it is not a self-leveling coating.
- For chemical-service systems, PANSEAL Paste may be top-coated with compatible Dynesic coatings such as PANSEAL or ELASTASEAL.
- Working life is affected by temperature and mixed mass. Spread mixed material promptly rather than holding it in a deep container.
- For unusual substrates, immersion service, previously coated surfaces or chemical exposure, contact Dynesic Technical Service before application.

14. ABOUT DYNESIC TECHNOLOGIES

Dynesic produces chemically engineered coatings, adhesives and sealants designed for demanding corrosion protection, repair and containment applications. Dynesic systems protect steel, concrete and other substrates in residential, commercial and industrial environments.

www.dynesic.com · 972-692-0962