



System 14TM

Palmer Contracting
105 N. 1st Street
#1710
San Jose
CA 95113

System 14:

An advanced 1:1 Ratio, 100% solids Zero VOCs Lower viscosity, yet high-build epoxy for the protection of steel, concrete as well as many other substrates. This material is specifically formulated to be used as part of the The SEAL series of products and specialized equipment.

Typical Applications::

Pipe Lining and Repair	Duct repair and Lining	Multiple Substrate Compatibility
Wastewater Collection	Wastewater transportation (Pipes)	Wastewater treatment structures

Technical Data:

- Color: High Gloss Medium Gray
- Volume Solids: 100%
- VOC: 0%
- Adhesion to Concrete: (ASTM D4541) Substrate Failure (>2,000 psi on steel).
- Shore D Hardness: (ASTM D2240) 85
- Tensile Strength: (ASTM D790) >6,000
- Flexural/Compressive Modulus: (ASTM D790) >500,000
- Wear Resistance Loss: (ASTM 4060. 1,000 cycles) 0.8g
- Elongation: (ASTM D412) 28%
- Compressive Strength: (ASTM D695) >12,000 psi
- Water absorption: (ASTM 570) 0.04%
- Permeance: (ASTM E96) ≤ 0.1 Perms

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Technical Data:

- Color: High Gloss Medium Gray,
- Application Temp: 50°F - 100°F
- Volume Solids: 100%
- Early Recoat Time: When appropriately tacky based on field conditions
- Max Recoat time: 48 Hours @ 75°F
- Cure for use: @ 75°F, 16- 24 hours
- Dry Service Temperature: 180°F
- **Mix Ratio: 1:1 by volume**
- Packaging: 2 gallon Units and 1,500 ml Cartridge
- Pot Life 25-30 minutes @ 75°F
- Shelf Life: 48 months if stored correctly

Surface Preparation:

Surface must be clean, dry and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Concrete & Masonry: SSPC-SP13/NACE 6, (ICRI No. 310.2R, CSP 3-5)

Steel: Blast to a “commercial” (SSPC-SP6) or “Near White” (SSPC-SP10) finish.

PVC or like: Consult with PALMER CONTRACTING Technical team for details

Mixing and Application of Bulk Packaging Material :

Mix part B thoroughly on its own. Add equal parts part A and B together and mix under slow mixing speed (no more than 600 rpm).

If 2 coat system is applied, each coat should be between 10 and 15 mils application thickness totaling 20-30 mils, or as specified.

Recommended Application Method:

It is recommended that System 14 be applied using the Proprietary SEAL application system of 1,500 ml cartridge and one of the custom spray dispensing units. Please contact Palmer Contracting for details.

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