



PU-StructuralTM

Polyurea

100% Solids – Zero VOCs

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

PU Flex: a two-component, rapid curing, polyurea designed for industrial lining in harsh conditions. Its solvent free structural yet slightly flexible design allows for small amounts of movement. It can be used in temperatures between -40 °F and 120 °F (-40 °C and 49 °C).

Formulated and developed finish with s rigid, structural finish yet still display excellent chemical resistance.

Uses and Applications:

- Used as industrial liner and coating
- Ideal for use in high chemical environments
- Excellent for use in areas here temperatures are volatile and extremely low

Advantages & Features:

- Material may be opened to service or foot and light vehicular traffic in 90 minutes at 75 °F (24 °C)
- Self-leveling, low viscosity system
- Wide application and service temperature range, including freezer applications
- Acceptable for use in USDA inspected facilities

Formulated and developed to be resistant to thermal and mechanical shock and displays excellent chemical resistance.

PU-Flex Cure Schedule:

Material Temp °F (°C)	Working Time (Min)	Trim/Shave Time (hr)	Full Cure Time (hr)
0 (-18)	5	6	48
75 (24)	0.5	0.5	24
120 (49)	0.25	0.33	12

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Color:

Part A (Resin) Amber: Part B (Hardener) Gray,

Mixed Ratio: 1:1 by volume, Mixed Color - Concrete Gray.

Storage & Shelf Life: 18 months when stored in unopened containers in dry conditions. Store between 60 °F and 90 °F (16 °C and 32 °C).

PU-Flex Technical Specifications:

Property	Cure Time	ASTM STD	Units	Sample Temp 76 °F (24 °C)
Gel Time (60g Mass)		C881	sec	20
Tack Free Time (30 Mil DFT)		D2377	min	6-10
Viscosity		D2196	cP	Part A: 2,000 Part B: 1,950
Shore A Hardness Shore D hardness	14 Day	D2240	Psi (MPa)	99 62
Tensile Elongation	7 Day	D638	%	42
Bond Strength	2 Day	C882	PSI (MPa)	685 (4.8)
Adhesion to Concrete		D4541	Psi (MPa)	285 (2)

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