

# E<sup>3</sup>-DEEP POUR

Epoxy Grout for Deep Pour Applications



**EUCLID CHEMICAL**

## Product Overview

E<sup>3</sup>-Deep Pour is a high strength epoxy grout designed for grouting machine and equipment bases of all types. E<sup>3</sup>-Deep Pour provides maximum bearing for bases of numerous configurations and can be used for both deep placements and where clearances are down to 12mm. E<sup>3</sup>-Deep Pour meets the requirements of the American Petroleum Institute Standard 610, Appendix L for Baseplate and Soleplate Grouting.



## Features & Benefits

- Low exotherm for large volume applications
- Expansive non-shrink grout
- Excellent effective bearing area
- Variable fill ratios for placement versatility
- Excellent bond to foundation and base plate
- Stable in deep pour applications
- Long working time



## Typical Applications

Critical, heavy duty, non-shrink, epoxy grouting applications including:

- Pump and machinery baseplates subject to dynamic loading
- Large volume placements
- Vibration dampening of equipment
- Tanks, turbines and housings
- Crane Rail Grouting
- Pour-backs for post tension projects
- Re-building foundations, bases and columns



# Typical Performance Properties At 21°C

PROPERTY		TEST METHOD	STANDARD UNIT	HIGH FLOW UNIT
Compressive Strength	1 Day	ASTM C579 (Method B)	77 MPa	76 MPa
	7 Days		100 MPa	97 MPa
	28 Days		104 MPa	103 MPa
Volume Change		ASTM C827	Positive Expansion	Positive Expansion
Compressive Creep	28 Days	ASTM C1181 (2.8 MPa @ 60°C)	$3.6 \times 10^{-3}$ mm/mm	$4.3 \times 10^{-3}$ mm/mm
Flexural Strength	28 Days	ASTM C580	31 MPa	32 MPa
Tensile Strength	28 Days	ASTM C307	14 MPa	14 MPa
Bond Strength		ASTM C882	Concrete Failure	Concrete Failure
Coefficient of Thermal Expansion		ASTM C531	$2.8 \times 10^{-6}$ in/in/°F (23° to 99°C)	$2.8 \times 10^{-6}$ in/in/°F (23° to 99°C)
Maximum Thickness per Lift			Up to 450mm	Up to 230mm
Effective Bearing Area		ASTM C1339	≥ 95%	≥ 95%
Chemical Resistance				Excellent resistance to most industrial chemicals
Working Time				60 minutes
<p>*Compressive Strength results published above are typical results based on laboratory testing using restrained 50mm cubes. Variations of these results can be expected if alternative sample sizes, or test methodology is used.</p>				

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