



INSTALLATION TECHNOLOGIES

DATA SHEET

WTF-E V-100™ EPOXY GROUT

Bulletin No.
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05/10



- Meets requirements for "High" effective bearing area per ASTM C-1339.
- 10,185 psi compressive strength in 8 hours
14,020 psi compressive strength in 24 hours
- No clean-up required (Mixed in disposable pails)
- Easy mixing - no special mixing equipment needed
Mix with drill and paddle or paddle type mortar mixer
- High flowability for easy pours
- Deep pours can be done in one step
- Contains no BGE or free silica
- Extra resistant to UV rays and water
- Most experienced field support team in the industry

WTF-E V-100 Epoxy Grout is a three-component, 100% solids epoxy resin system. It is specifically designed for applications requiring high mechanical strength due to high loads. WTF-E offers resistance to temperature, humidity, chemical environments and most acids.

WTF-E V-100 Epoxy Grout is formulated for medium thickness pours. It is recommended for applications varying from 3/4" to 8" cross sections. The flow characteristics of WTF-E allow easy placement. Its tremendous compressive strength and high effective bearing area characteristics make it especially

well suited for severe applications such as wind turbine bases, forge hammers, punch presses, power generation equipment and rail installations of all kinds.

PACKAGING/YIELD

3 Part Kit = 1.00 cu. ft. (1,728 cu. in.)

Physical properties shown are the result of laboratory testing performed per industry recognized test procedures. Laboratory properties aid in determining suitability of the product for the intended application. Field test results may vary due to procedures or ambient conditions such as temperature and humidity. Laboratory reports are available on request.

Consult the specific Material Safety Data Sheets (MSDS) for all safety data.

PHYSICAL PROPERTIES

Cure @72°F

Compressive Strength (ASTM C-579)	8 hours	10,185 psi
	16 hours	13,510 psi
	24 hours	14,020 psi
	72 hours	14,760 psi
	168 hours	15,470 psi
Tensile Strength (ASTM C-307)		2,350 psi
Flexural Strength (ASTM C-580)		4,800 psi
Heat Deflection Temperature (ASTM D-648)		170°F
Maximum Service Temperature		225°F
Hardness (Shore D) (ASTM D-2240)		94
Mixed Viscosity (ASTM D-2196) (77°F)		27,000 cps
Gel Time		50-60 min.
Placement Time		60 min.
Typical Pour Depth		3/4 in. - 8 in.
Linear Shrinkage (ASTM C-531)		0.000040 in./in.
Coefficient of Thermal Expansion (ASTM C-531)		0.000006 in./in./°F
Flowability and Bearing Area (ASTM C-1339)	1st Contact - 45 sec. Full Contact - 63 sec.	Bearing Area Range - High (85-100%)
Creep Test (ASTM C-1181) 600 psi @ 150°F Cured 24 hours		0.00045 in./in.

WTF-E V-100 EPOXY GROUT TYPICAL FIELD RESULTS



