UNISORB®
INSTALLATION TECHNOLOGIES

DATA SHEET

CR HI-FLOW V-100™ EPOXY GROUT

Bulletin No.
GB-0149-1.1
05/10

- ***15,000 psi compressive strength in 8 hours***
  17,700 psi compressive strength in 24 hours
- ***No clean up required (mixed in disposable pails)***
- ***Easy mixing - two part kit - no added aggregate***
- ***No special mixing equipment needed - just a power drill***
- ***Minimal PPE required (no aggregate or dust)***
- ***Extra resistant to UV rays and water***
- ***Cross sections as low as 1/4" can be achieved***
- ***Contains no BGE or free silica***
- ***Most experienced field support team in the industry***

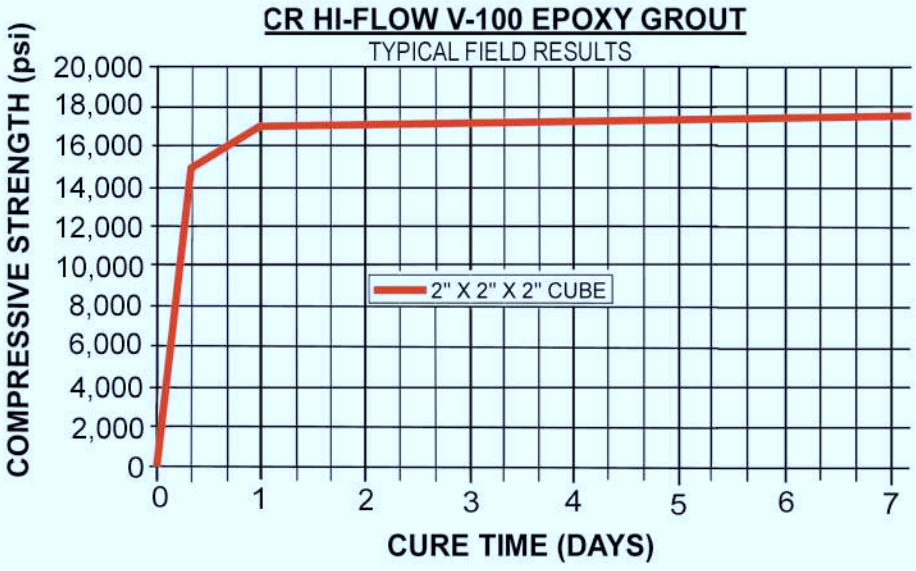
A two-component, 100% solids, epoxy resin system specifically developed for wind turbine bases, crane rails, and other extraordinarily severe applications where exposure to extreme loads, elevated temperatures and high humidity shortens the service life of other grouting materials. CR Hi-Flow V-100 Epoxy Grout is formulated to be very flowable for ease in placement under longer rails or machine bases. Typical pour cross-sections range from 1/4" to 2" with the material shipped in an easily mixed two part kit.

After curing, CR Hi-Flow V-100 Epoxy Grout is impervious to water and and saltwater, and can be used in total submersion without affect on its operational functions. It is resistant to most fuels, oils, chemical and water absorption, making it ideal for heavy industrial use outdoors. It offers the same features as our other epoxy grouts, i.e. high strength, ease of mixing, self-leveling and fast cure.

PACKAGING/YIELD

22# Kit = .21 cu. ft. (358 cu. in.)
52# Kit = .49 cu. ft. (846 cu. in.)

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



TYPICAL FIELD RESULTS

PHYSICAL PROPERTIES

	Cure @72° F
Compressive Strength (ASTM C-579) (72° F)	17,700 psi
Tensile Strength (ASTM C-307)	5,500 psi
Flexural Strength (ASTM C-580)	8,100 psi
Modulus of Elasticity (ASTM C-580)	1,000,000 psi
Heat Deflection Temperature (ASTM D-648)	200° F
Maximum Service Temperature	275° F
Hardness (Shore D) (ASTM D-2240)	95
Mixed Viscosity (ASTM D-2393)	7,500 cps
Gel Time	30-35 min.
Placement Time	15-20 min.
Typical Pour Depth	1/4 in. - 2 in.

(Multiple layers may be used for thicker pours.)

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.