

PRODUCT DATA SHEET

Rhino Carbon Fiber | Revision Date 03/15/2015

TYPICAL DATA

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Storage Conditions	Store dry at 40° - 95°F (4° - 35°C)
Shelf Life	10 years
Color	Black
Primary Fiber Direction	Bidirectional
Areal Weight	19.7534 oz./sq.yd. (618 g/m ²)

TYPICAL FIBER PROPERTIES

Property	Typical Test Value
Vertical Tensile Strength	47,624 psi
Horizontal Tensile Strength	48,784 psi
Elongation	1.5%
Density	0.0692 lbs./in
Nominal Fiber Thickness	0.0275 in. (0.70 mm)

HOW TO USE: SURFACE PREP

Surface must be clean and sound. It may be dry or damp, but free of standing water and frost. Remove a light layer of concrete from the surface work areas. Consult the current product data sheets for Rhino Carbon Fiber for additional information on surface preparation.

Existing uneven surfaces must be filled with an appropriate repair mortar/hydraulic cement. The adhesive strength of the concrete must be verified after surface preparation by random pull-off test-ing (ASTM D-4541) at the discretion of the engineer. Minimum tensile strength, 200 psi (1.4 MPa) with concrete substrate failure.

Preparation Work: Concrete - Blast clean, shotblast or use other approved mechanical means to provide a roughened, open-textured surface.

Round all corners to 1/2" radius in certain "contact critical" applications and at the engineers discretion, a thorough cleaning of the substrate using low pressure sand or water blasting may be sufficient.

APPLICATION

Application Prior to placing the fabric, the concrete surface scarify using dustless grinding system. The fabric may also be manually saturated by hand using your hand, a roller prior or scraper to placement. In either case, installation of this system should be performed only by a trained contractor.

TOOLING & FINISHING

Fabric can be cut to appropriate lengths by using scissors. Since the dull or worn cutting implements can damage, weaken or fray the fabric, their use should be avoided.

LIMITATIONS

- Design calculations must be made and certified by an independent licensed professional engineer.
- System is a vapor barrier. Concrete should not be fully encapsulated in areas of freeze/thaw.

