




SikaWrap® Hex 103 C CARBON FIBER FABRIC FOR STRUCTURAL STRENGTHENING

	✓	ICC	ESR-3288
	✓	IBC	2012 Compliance

BUILDING TRUST



SikaWrap[®] Hex 103 C

CARBON FIBER FABRIC FOR STRUCTURAL STRENGTHENING

APPLICATIONS

Load Increases

- Increased live loads
- Increased traffic volumes on bridges
- Installation of heavy machinery in industrial buildings
- Vibrating structures
- Changes of building utilization

Seismic Strengthening

- Column wrapping
- Masonry walls

Damage to Structural Parts

- Aging of construction materials
- Vehicle impact
- Fire
- Blast resistance

Change in Structural System

- Removal of walls or columns
- Removal of slab sections for openings

Design for Construction Defects

- Insufficient reinforcements
- Insufficient structural depth

ADVANTAGES

- Approved by ICC ESR-3288
- Compliance with 2012 IBC
- Compliance with California Building Code
- Component of UL listed, fire-rated assembly
- Used for shear, confinement or flexural strengthening
- Flexible, can be wrapped around complex geometries
- High Strength
- Light Weight
- Non-corrosive
- Alkali Resistant
- Low aesthetic impact

TYPICAL DATA

- Shelf Life: 10 years
- Storage Conditions: Store dry at 40°-95°F (4°-35°C).
- Color: Black
- Primary Fiber Direction: 0° (unidirectional)
- Areal Weight: 18 oz./sq.yd. (618 g/m²)

Typical Fiber Properties	
Property	Typical Test Value
Tensile Strength	5.5 x 10 ⁵ psi (3,793 MPa)
Tensile Modulus	34 x 10 ⁶ (234,500 MPa)
Elongation	1.5%
Density	0.065 lbs./in ³ (1.8 g/cc)
Normal Fiber Thickness	0.0135 in. (0.34 mm)

*For up to date and accurate information please consult the current Technical Data Sheet at www.sikausa.com



FOR MORE SikaWrap[®] INFORMATION:

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