



# SikaWrap® Hex 103 C

## CARBON FIBER FABRIC FOR STRUCTURAL STRENGTHENING

	✓	ICC	ESR-3288
	✓	IBC	2012 Compliance

BUILDING TRUST



# SikaWrap<sup>®</sup> 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/m<sup>2</sup>)

Typical Fiber Properties	
Property	Typical Test Value
Tensile Strength	5.5 x 10 <sup>5</sup> psi (3,793 MPa)
Tensile Modulus	34 x 10 <sup>6</sup> (234,500 MPa)
Elongation	1.5%
Density	0.065 lbs./in <sup>3</sup> (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](http://www.sikausa.com)



FOR MORE SikaWrap<sup>®</sup> INFORMATION:

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