

Products and techniques for construction and chemical industry

PC® CARBOCOMP ROD

Unidirectional carbon fibre rods for the reinforcement of structures

1. Description

Epoxy carbon fibre rods composed of unidirectional orientated carbon fibres.

Minimum fibre content: 68 volume %

Size:

Øn ⁽¹⁾ (mm)	Ør ⁽²⁾ (mm)
6	8
8	10
10	12
12	14

(1) \emptyset n: nominal diameter, the characteristic value of fibre subjected to tensile.

(2) Ør: real diameter, real value measured by calibre

Length: max. 5,0 m

2. Application

Reinforcing of beams, floors, walls and columns in concrete, wood and steel. Strengthening of bridges and buildings, for example in the following cases:

- Repair of the original bearing capacity, like after a fire or corrosion of the rebars.
- Local strengthening of construction elements, when making holes through floor plates or walls.
- To increase the load bearing capacity.
- To repair errors during construction.

3. Properties

Tensile strength average value min. value	2300MPa >2100MPa
Modulus of elasticity average. value min. value	165GPa >160GPa
Elongation min. value	>1,31%
Density	1,80 g/cm³

Terbekehofdreef 50-52 B-2610 Wilrijk

phone +32 3 828.94.95 fax +32 3 830.27.69

info@tradecc.be www.tradecc.be

4. Advantages

- · High tensile strength and stiffness
- · Light weight

Date: 12/03/12 PC CARBOCOMP ROD TD.DOC

Page 1 of 2

This information is given to our best knowledge. It is offered as a possible helpful suggestion in experimentation you may care to make along these lines. It is subject to revision as additional knowledge and experimentation are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information



Products and techniques for construction and chemical industry

- Very low creep
- · Flexible in use
- Excellent corrosion, acid and alkali resistance
- · High durability
- Little thermal expansion
- Requires little or no maintenance

Date: 12/03/12 PC CARBOCOMP ROD TD.DOC Page 2 of 2