



- **Delivery**  
Rolls of 100 m, 150 m or cut to size. An unwinding reel is available upon request.  
Special dimensions upon request
- **Application**  
SINIT Laminates CFL are used as externally bonded reinforcement for flexural strengthening of load-bearing elements made of RC-structures, wood and natural stone.
- **Application areas**  
Retrofitting of RC-structures to new requirements:
  - Modifications in the static system
  - Increase of working load
 Enhancement of the performance capability:
  - Reduction of deflection
  - Absorbing of vibrations
  - Seismic retrofitting
 Repairs of defective RC-structures:
  - Damage caused by corrosion
  - Accidents, e.g. fire, impact, explosion, etc.
  - Planning and execution errors
- **Advantages**
  - Low dead weight
  - Low application thickness
  - Economical application without lifting gear or placing and support devices
  - Very high strength
  - High modulus of elasticity
  - Excellent fatigue behaviour
  - Corrosion resistance
  - Can be coated with paints
- Special CFL laminates, e.g. with a modulus of elasticity of  $300,000 \text{ N/mm}^2$ , are available upon request. However, the application of these high modulus laminates is not economical as the utilisation of their tensile strength is only marginal.

SINIT S.r.l. – Via V. Chiarugi,76 – 45100 ROVIGO (ITALY)



Tel. ++39. 0425 361961 – Fax ++39. 0425 410115 E-MAIL [sinit@tin.it](mailto:sinit@tin.it) [www.sinitworks.com](http://www.sinitworks.com)

SINIT EPOXY COMPOUNDS AND NEW TECHNOLOGIES IN THE CIVIL, INDUSTRIAL AND UNDERWATER ENGINEERING

