

MapeWrap FRP System

**THE FIRST CERTIFIED FRP
STRENGTHENING SYSTEM IN ITALY**



Certificate for the quality and acceptance criteria of **fibre-reinforced polymer (FRP)** composites.



MapeWrap FRP System



The **MapeWrap C** line of uniaxial carbon fibre fabrics by Mapei has been awarded the first ever certificate issued in Italy by the American Institute **ICC-ES** according to document AC125, “*Acceptance Criteria for concrete and reinforced and unreinforced masonry strengthening using externally bonded fiber-reinforced polymer (FRP) composite system*”.

What is ICC-ES?

ICC-ES is the leading American institute for the evaluation of building products and provides clear, unbiased evidence to those working in the construction industry that a product complies with certain codes and standards.

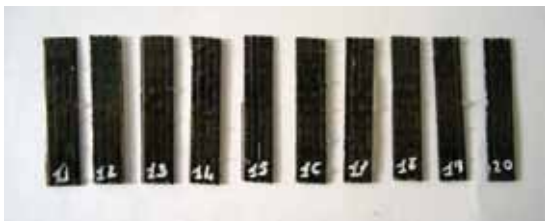
ICC-Evaluation Service

This certification evaluates the **mechanical performance characteristics** of uniaxial and carbon fibre fabrics (**MapeWrap C**) and their **durability** in various environmental conditions.



Certification carried out at the University of Miami and the Department of Structural Engineering (DIST) “Federico II” University in Naples.

The qualification programme lasted for more than 2 years and included:



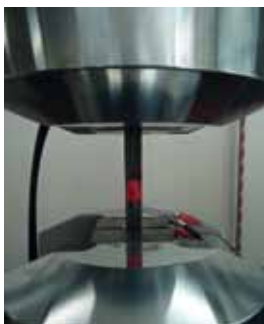
.....
456 test samples for each type of
MapeWrap C UNI-AX fabric
.....

.....
75 test samples
of resin
.....



.....
290 tests to characterise
their **physical** and
mechanical properties
.....





.....
**342 mechanical
characterisation tests**
following exposure to
environmental conditioning
.....

.....
**15 tests on full-scale
structural members**
in reinforced concrete
and masonry
.....



.....
**4 fire behaviour
tests**
.....



ICC-ES certification is valid for all Mapei production facilities around the world where the **MapeWrap** line is manufactured.

ICC-ES is synonymous for:

- Certified system
- Quality
- Durability
- A guarantee for designers





Technical documentation

From the technical area menu you can view the technical documentation divided per product lines and type of document.

HEADQUARTERS
MAPEI SpA
Via Cafiero, 22 - 20158 Milan
Tel. +39-02-37673.1
Fax +39-02-37673.214
Internet: www.mapei.com
E-mail: mapei@mapei.it



/mapeispa