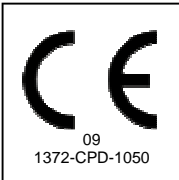


WIRAND[®] FIBRE FS7

DESCRIPTION:

Cold drawn steel wire fibre WIRAND[®] FS7, for structural concrete reinforcement.

NOMINAL DIMENSIONS:



- Diameter D: 0.55 mm
- Length L: 33 mm
- Aspect ratio L/D: 60
- Number of fibres/kg: 16100

MECHANICAL PROPERTIES

R_m (Tensile strength of the wire): 1300 MPa
 ΔL (ultimate strain): < 2%

SHAPE

The double end hooks of WIRAND[®] FS7 fibres ensure perfect anchorage in concrete.

Effect on strength of concrete: 20kg/m³ to obtain 1.5N/mm² at CMOD=0.5mm and 1.0N/mm² at CMOD=3.5mm.

Effect on consistency with 20kg/m³ of fibre: vebe time: 7 s

REFERENCE STANDARDS

- EN 14889-1: 2006 - Fibres for concrete — Part 1: Steel fibres — Definition, specifications and conformity;
- UNI EN 14845-2:2007 - Test method for fibres concrete—Part II: Effect on concrete;
- EN 14651-2005 - Test method for metallic fibre concrete - Measuring the flexural tensile strength (limit of proportionality (LOP), residual)
- UNI 11037: 2003 – Fibre d'acciaio da impiegare nel confezionamento di conglomerato cementizio rinforzato;
- UNI 11039: 2003 – Steel fibre-reinforced concrete—Part 1: definitions, classifications, specifics and conformity; Part II: Test method used to determine the early crack strength and ductility indexes;
- ASTM A820: 2001 - "Standard Specification for Steel Fibers for Fiber-Reinforced Concrete;
- CNR – DT 204/2006 – Istruzioni per la progettazione, l'Esecuzione ed il Controllo di Strutture di Calcestruzzo Fibrorinforzato;
- RILEM, 2001 - "Test and design methods for steel fibre reinforced: uniaxial tension test for steel fibre reinforced concrete", RILEM TC 162-TDF Recommendations, Materials and Structures.

PACKAGING

WIRAND[®] FS7 fibre are delivered in big bags of 600, 750, 950 kg or in carton boxes of 20 kg.

STORAGE: Preserve the pallets from atmospheric corrosion.

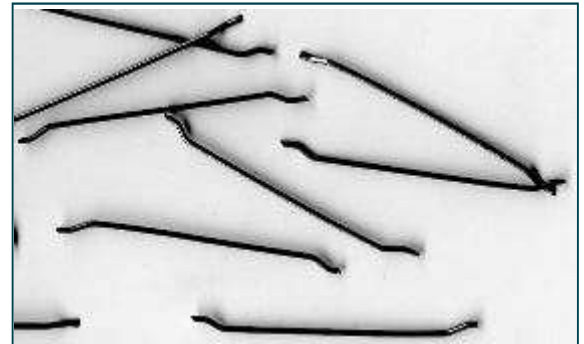


Figure 1

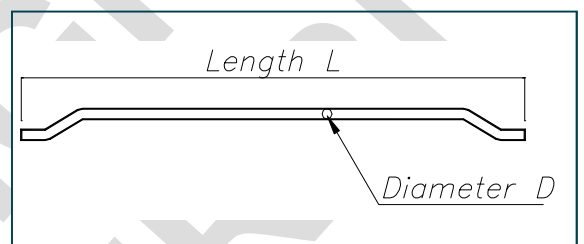


Figure 2



Figure 3



The producer, for his optimisation and improving process of the product's technical characteristics, has the faculty to modify the standards and the characteristics of the product without any pre-advance. All the information are given in base to our experience; in any case no responsibility for an incorrect use could be referred to the producer or one of his distributors.

Maccaferri (Malaysia) Sdn. Bhd.

Unit 511, Block G, Phileo Damansara 1,
 No.9, Jalan 16/11, Off Jalan Damansara,
 46350 Petaling Jaya, Selangor, Malaysia.
 Tel: (60-3) 7955 7800 Fax: (60-3) 7955 7801
 Email: mm@maccaferri-asia.com
 Website: www.maccaferri.com.my
 Website:www.maccaferri.com.my