

WIRAND FF2 HS

FF2 HS

High Strength



DESCRIPTION

WIRAND FF2 HS are high-strength steel fibres designed for engineering applications such as concrete floorings or other civil engineering applications.

With the use of WIRAND FF2 HS the need for conventional steel reinforcement can be reduced or eliminated.

REINFORCED CONCRETE PERFORMANCE

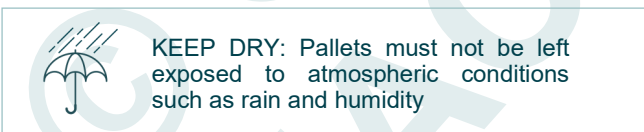
Minimum dosage as per EN 14889-1

15 kg/m³	EFFECT ON STRENGTH	
	CMOD = 0.5 mm	1.5 N/mm ²
	CMOD = 3.5 mm	1.0 N/mm ²
	EFFECT ON CONSISTENCE	
	Vebe time 7 s	

PACKAGING



HANDLING AND STORAGE



CERTIFICATES

CE This product is CE certified.

EPD kiwa VERIFIED Ecobility Experts EPD-Kiwa-EE-000478-EN

Wirand is manufactured in ISO 9001, ISO 14001, ISO 45001 certified plants.

SHAPE

The double end hooks of FF2 HS fibres ensure perfect anchorage in concrete.

PHYSICAL PROPERTIES

Diameter (d)	0.9 mm
Length (l)	50 mm
Aspect Ratio (l/d)	56
Number of fibres/kg	4,000

MATERIAL PROPERTIES

Young's Modulus > 180 GPa

MECHANICAL PERFORMANCE

Nominal tensile strength of the wire (Rm)	1,450 MPa
Ultimate Strain (DI)	< 4%

REFERENCE STANDARDS

- EN 14889-1:2006 - Fibres for concrete - Part 1: Steel fibres - Definition, specification and conformity
- EN 14845-1:2007 - Test methods for fibres in concrete - Part 1: Reference concretes
- EN 14845-2:2007 - Test methods for fibres in concrete - Part 2 : Effect on concrete
- EN 14651:2005 - Test method for metallic fibred concrete - Measuring the flexural tensile strength (limit of proportionality (LOP), residual)
- ASTM A820-11 - Standard Specification for Steel Fibres for Fibre-Reinforced Concrete
- GB/T 39147-2020 - Fibres for concrete

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-advise. 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.

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