

From Project to Jobsite

FIB-energy® ST HS

Description FIB-energy® ST HS are steel fibres with very high resistance and high carbon content. The fibres are covered and protected by a brass layer. The fibres respond to the requirements according UNI EN14889-1.

Method of use. Poor the fibres with care in the terminal phase of mixing, distributing slowly in the mix. FIB-energy® ST HS fibres are recommended for concretes where high tensile and flexural strengths are required. For special mix designs, consult U.A.P.P. office (assistance and promotion of projects).

Packaging Boxes of 25 Kg. Protected pallets of 1.000 Kg

Technical characteristics (typical values)

Ø µ	length mm	Tensile strength N/mm ² *	Modulus of elasticity N/mm ² *	Elongation max %	Dosage Kg/m ³
175	15-6	> 2800	210.000	<1	25÷80
350	30	> 3100	190.000	<1	25÷60

*note: 1.000 N/mm² = 1 Gpa

Chemical analysis

C: 73%
Mn: 55%
Si: 20%
P: < 0,025%
S: < 0,025%
Cr: < 0,080%
Al: < 0,003%

Conservation Protect against rain and humidity. Do not staple the pallets.

Safety Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this product.

The above data derive from our best actual practical and laboratory knowledge and are the result of applications of the product in different fields of use. Tecnochem Italiana cannot be held responsible for negative or inadequate results that are due to improper use of the product or due to causes unconnected to the quality of the product including the storage. The technical characteristics and performance contained in this datasheet are periodically updated. This datasheets replaces and supersedes the previous versions, and the data will be updated periodically. The revision data are indicated in the specific field. The site www.TECNOCHEM.IT contains the updated datasheets, which are updated in real time.