

FlexoFiber Macro

FX-30

DESCRIPTION

Steel fiber extracted from tire recycling steel mesh, 100% recycled high quality steel with low carbon footprint industrial production process

RANDOM GEOMETRY

None of our fibers have the same geometry between them, guaranteeing better distribution

FLEXIBLE STEEL

High strength flexible alloy steel wire with strength of over 2500 MPa

AVG. LENGTH

30mm

AVG. WIRE DIAMETER

0,25 mm

AVG. ASPECT RATIO 120

Aspect ratio (length/diameter) is a key characteristic in determining performance. High aspect ratios will provide more fibers per Kg of dosage

AVG. NUMBER OF FIBRES/Kg

86.000

DOSAGE Kg/m3

Depending on use, type and resistance of concrete, fiber dosage varies from:

8Kg/m3 up to 20Kg/m3.

PACKING

8 Kg Bag / 20 Kg Bag in 800Kg pallets

HANDLING

Add manually to the mixer before water and additives

PERFORMANCE

It is the only high strength steel fiber for concrete reinforcement that can have similar advantages to many synthetic fibers on the market.

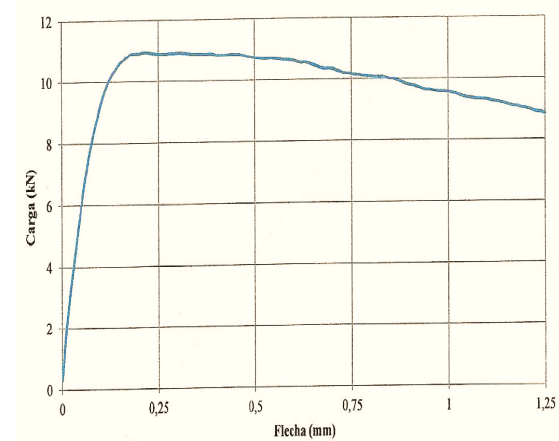
This fact is due to its characteristics like having much thinner and resistant steel fibers, with a highly strength and flexible wire, therefore, it contains much higher number of fibers per unit weight, allowing to obtain higher resistances, better distribution with lower dosage per cubic meter of concrete

ASTM C-1399 RES. STRENGTH

ARS=2.94

ASTM C-1399, FLEXOFIBERS MACRO FX-80					
DEFLECTION (mm)	0,50	0,75	1,00	1,25	ARS
LOAD (kN)	10,71	10,15	9,51	8,80	
Res Strength (Mpa)	3,21	3,04	2,85	2,64	2,94

AVG LOAD Vs DEFLECTION GRAPHIC*



* Test results, INSTITUTO EDUARDO TORROJA. Madrid Spain 02/2018

ASTM C-1581 TESTED

Standard Test Method for Determining Age at Cracking and Induced Tensile Stress Characteristics of Mortar and Concrete under Restrained Shrinkage

21 Days (Low –Moderate)