

Technical Data Sheet



FibreX DS is a newly-developed fibre that combines high strength and far superior corrosion resistance compared with 304 and 316 type stainless steels. The ME surface texture helps the product bond well with the concrete and is easy to mix and disperse.

The special duplex (austenitic-ferritic) structure steel contains about 40-50% ferrite and provides a practical solution to prevent sea water corrosion. The fibres conform to the requirements described in BS EN14889-1 Group III and ASTM A820-11 type III.

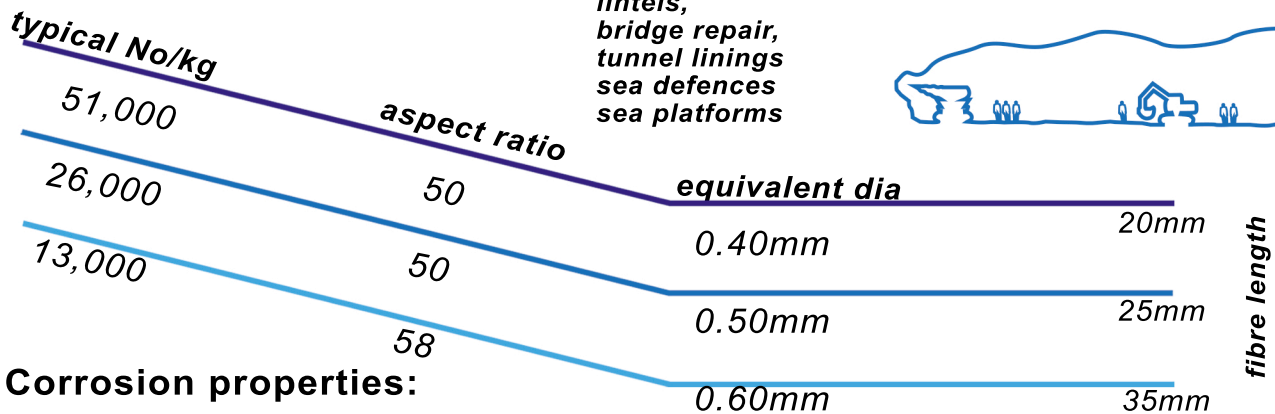
Chemical Composition:(maximum unless stated)

Cr 21.0-23	Mn 2.0	Ni 4.5-6.5	Mo 2.5-3.5	C 0.40	S 0.030	P 0.030	Si 3.5	OTHER 0.2
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Highly fire resistant
Excellent long term durability in sea water and sour gas

Applications include;
flooring,
sills,
lintels,
bridge repair,
tunnel linings
sea defences
sea platforms



Corrosion properties:

PREN36
(Pitting Resistance Equivalent Number)
Corrosion sea water



Used to improve concrete toughness, shear strength and impact resistance



Reduce concrete cracking from shrinkage. Highly corrosion resistant

Tensile Strength

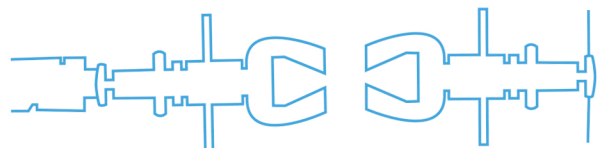
Elongation

Yield Strength

≤ 800 MPa

≤ 30 %

≤ 450 MPa



Cert No. 1493
ISO14001:2015

Cert No. GB00273
BS EN ISO 9001:2015



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