

Manufacturer: ETANCO (FRANCE)

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Product name:

FASTOVIS – COLORVIS WOOD DF TH8/ 2C Ø 6.5 x L

Application:

Sheet of steel on fir wood

Description:

Self-drilling screw Ø 6.5 mm
Hexagonal head of 8 mm Natural finish or EPOXY powder painted stove hardened
Pitch 2.54 mm Drill point fitted with washer Vulca Alu Ø 19 mm
Double thread prevents sagging of sandwich panel

Drilling capacity (CP):

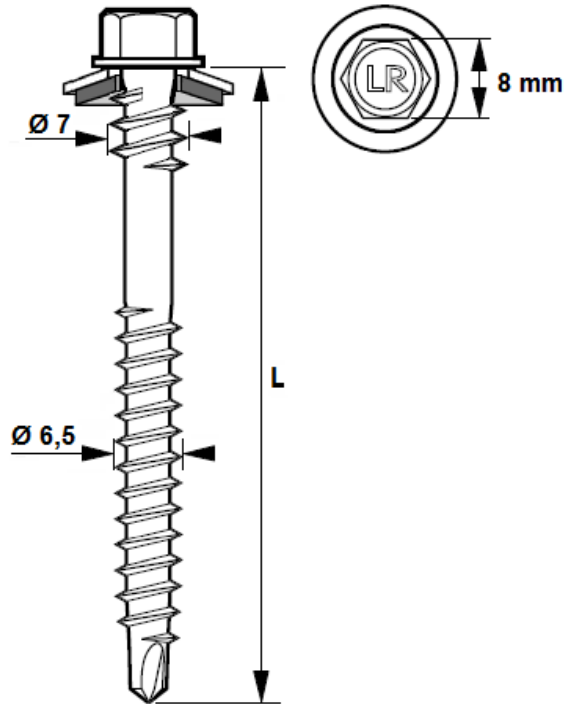
0.75 to 4 x 0,75 mm on fir wood

Material:

Screw body:

Cemented steel 20MB5 - SAE 1020 - JIS SWRCH22A.
Surface hardness HV 0.5 : 550 < HV < 750

Washer: aluminium + vulcanized EPDM 2 mm thickness
70 Shore A



Material, coating and test of corrosion resistance:

- **2C: SUPRACOAT 2C** coated cemented steel (12 to 20 µm):

Corrosion resistance level determined by Kesternich test (sulfur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)

Resisted to 15 cycles before the appearance of red rust

Salt spray test according to NF ISO 9227 (March 2007):

No trace of red rust after 500 hours.

Painting of heads and washers:

Powder painted without TGIC – without Gloss polyester Epoxy

The following tests were carried out on 1 mm zinc plated steel test panels and a nominal coating thickness of 60 µm.

Test	ISO / ASTM Requirement
Cross adhesion	ISO 2409 - class 0
Impact resistance	ASTM D 2794 - pass 20 inch/lbs
Flexibility	ISO 1519 - pass 4 mm
Cupping test	ISO 1520 - pass 6 mm
Scratch resistance	N / A
Hot salt spray resistance	ISO 9227 - pass 1,000 hours
Humidity resistance	ISO 6270 - pass 1,000 hours
Kesternich resistance	ISO 3231 - pass 25 cycles
Chemical resistance	Resistance to most acids, alkalis and oils at normal temperatures. Can be affected by chlorinated solvents.

Drilling time Performance:

- Conditions: a) Test material : Structural steel S355 JR
 b) Tools used : Drilling test with SCS Fein 6.3-19X power 400 W mini with torque limiter and depth control

Drilling test	Unit	Ø 4.8	Ø 5.5	Ø 6.3 & 6.5
Drilling time	s/mm	< 2	< 2	< 2
Speed rotate	rpm	2000 *	2000 *	2000 *
Axial load	daN	16	20	27

* Under load: 1800 rotations/min

Drilling Capacity, diameter, length (in mm) and packaging:

Drilling capacity	Ø x Length	CS Capacity of mini clamping	CS Capacity of maxi clamping	Hexagonal head TH	Packaging
0.75 to 4x0.75/wood	6.5 x 90 + VA 19	25	40	8	100
0.75 to 4x0.75/wood	6.5 x 110 + VA 19	45	60	8	100
0.75 to 4x0.75/wood	6.5 x 130 + VA 19	65	80	8	100
0.75 to 4x0.75/wood	6.5 x 150 + VA 19	85	100	8	100
0.75 to 4x0.75/wood	6.5 x 200 + VA 19	105	150	8	100

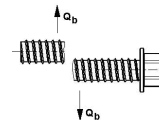
Characteristic tensile test:

$\bar{x} = 1482 \text{ daN}$



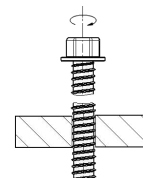
Characteristic shearing test value – 0.6 x Rm:

$\bar{x} = 889 \text{ daN}$



Characteristic torsion strength:

$\bar{x} = 17 \text{ Nm}$



Tensile strength test value (Pk in daN) – According to NF P 30-310

Fire tree wood support 450 Kg/m ³	daN
anchoring 50	568
These values do not include safety coefficients and are provided for information purposes only.	



Accordance:

Professional regulations related to cladding

Recommended setting tools:

Screwing toll FEIN SCS 6.3 -19X power 400 W mini with torque limiter and depth control
Screw Tip : socket with 8 mm imprint Hexagonal head hollow

Marking - Labelling:

FASTOVIS WOOD DF TH8 / 2C – Ø 6.5 x L + VA 19 + Code
COLORVIS WOOD DF TH8 / 2C – Ø 6.5 x L + VA 19 + Code

Quality control:

ISO 9001: 2015