

facade solution

Construction

FACADE ELEMENTS

STEEL

Thickness:

1.2mm galvanized steel / SS. steel

Standard:

ASTM A653: 2008

Steel Grade:

L. F. Q.,

Bend Test:

OK

Hardness:

55

Zinc Coat:

(g/m²): 279,

EL %:

40,

YS N/mm²:

254

Coating Spec:

G90 (275g/m²)

Coating has a unique metallurgical structure which gives outstanding resistance to mechanical damage, erection and service.

Corrosion resistance:

Galvanized steel is resistant to corrosion up to 100 times better than uncoated steel.

SCREW

Type:

Self-Drilling

Manufacturer:

EJOT

Screw specs:

JT2-6-5.5 C1000

Carbon steel self drilling screw

Features:

Case: hardened steel

C1000-high grade coating to improve the corrosion protection (15 Kesternich cycles)

Steel grade:

High quality grade case hardened carbon steel to Din standard 7504.

Steel classification:

Steel Classified as SAE 1018 SGZ. carbon steel electroplated with zinc clear dichromate passivation for a corrosion resistant finish.

Washer:

Stainless steel sealing washer

Pre-assembled sealing washer

Geometrical features

DIMENSIONS

SCREW

JT2-6-5.5 C1000

Length:

25mm

Clamping Thickness:

3-10mm

Drilling capacity t.t.:

1.5mm to 5.0mm

Approval:

ETA-10/0200

Drive:

Hexagon A/F8mm

NUT & BOLTS

8 mm X 21 mm -Bolt

8 mm -Nuts

13mm -Head

DURABILITY

High performance facades are extremely durable and resistant to scratches from abrasion.

The Integrated façade solutions are manufactured from 1.2mm zinc coated galvanized steel with pre-punched holes for Tech bolt fixation incorporating the top & bottom structure complete with internal vertical & horizontal support structure forming a unique and robust system with load bearing properties and flexibility to allow each system to be custom built to exact project specifications.

Load

CASSETTES

Date: 19th Jan. 2015

Report No.:

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Document No.:

NQ.QF/DC-LCC-02 (REV-0)

Load Test Description:

A Load is applied at the top of an item of cassette holding an ID Number "Ceiling Cassette"

Test Result:

The Cassette is safe for its intended use with in the specified limits

SCREW

Characteristic tension resistance:

annex-15-16, ETA-100200

Characteristic shear resistance:

annex-15-16, ETA-100200

Fastener type:

annex-15-16, ETA-100200

Limits of the application:

annex-15-16, ETA 100200

Corrosion protection test

15 Kesternich cycles

DIN 50018, 1997, 1000 h salt spray

test. DIN EN ISO 9227 – NSS

Fire

SCREW

Reaction to fire:

A1 bis E, ETA-100200

Approvals:

ETA Approved:

ETA-10/0200

Overview:

The flexibility of the steel construction is designed to allow each cassettes system to be custom built to exact project specifications and can provide varying levels of load bearing and structural stability properties,. All cassettes are manufactured under controlled quality assured procedures at our manufacturing facility in Doha.