

STAINLESS FACADE SCREW

SCREW FOR FASTENING OF CLADDING TO WOOD



- Good corrosion resistance (stainless steel A2)
- Mushroom head for an aesthetic finish
- Large head for better load distribution
- Available in more than 500 colours (QUALICOAT certified powder)



Harmonised standard
EN 14592:2008+A1:2012



TX recess



Corrosion
category C4



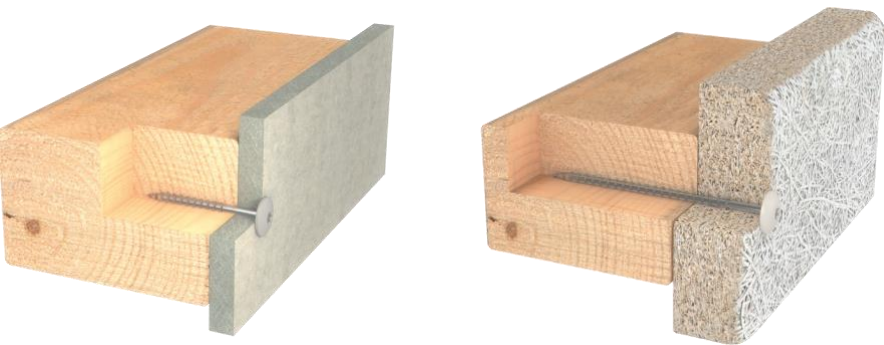
Stainless
steel A2

PRODUCT RANGE

MG/PG	Item no.	Item name	Thread [mm]	Length L [mm]	Shank [mm]	Head [mm]	Unit [pcs]
06 2600	10441	ETX MH RX 4.8 X 25 TX20	Ø4.8	25	6	Ø12.1 TX20	250
	17403	ETX MH RX 4.8 X 29 TX20		29			
	10442	ETX MH RX 4.8 X 33 TX20		33	8		
	10443	ETX MH RX 4.8 X 39 TX20 (standard)		39			
	10444	ETX MH RX 4.8 X 60 TX20		60	12		100

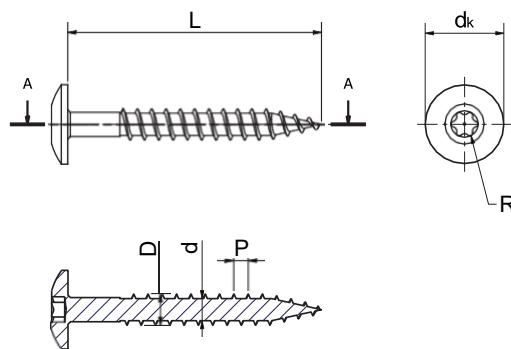
TYPICAL APPLICATION

- Fastening of cladding to wood



TECHNICAL DATA

Outer diameter, D	[mm]	Ø4.8
Inner diameter, d	[mm]	Ø3.4
Head diameter, d _k	[mm]	Ø12.1
Washer diameter, d _w	[mm]	-
Drill point diameter, d _p	[mm]	-
Drill point length, l _p	[mm]	-
Pitch, P	[mm]	2.2
Drive type, R	[-]	TX20



DESIGN RESISTANCE

The design resistance of the screw is determined in accordance with EN 1995-1-1:2004 + AC:2006 + A1:2008 + A2:2014, Eurocode 5 for timber structures.

The resistance when loaded in tension, N_{Rd} , appears from

the table on the right and is the minimum value of the pull-out resistance of the supporting object and the tension resistance of the screw. Thus, the pull-through resistance of the fixed object is not taken into account.

The theoretical values must be considered indicative since the conditions at the construction site may vary. Practical tests of the specific application are recommended for verification of the listed values.

Assumptions:

Fixed object: Cladding

Supporting object: Structural wood, C24
Density, $\rho_k = 350 \text{ kg/m}^3$

L = Length of the screw [mm]

t = Thickness of the fixed object [mm]

All resistances are stated in kN (1 kN $\approx$ 100 kg)

Safety factor: $\gamma_M = 1.35$, $k_{mod} = 0.90$

MG/PG: 06 2600 ETX MH RX 4.8 X L TX20

Design resistance when loaded in tension, N_{Rd} [kN]					
t L	25	29	33	39	60
6	0.83	1.01	1.10	1.36	2.10
7	0.79	0.96	1.10	1.36	2.10
8	0.75	0.92	1.10	1.36	2.10
9	0.70	0.88	1.05	1.32	2.10
10	0.66	0.83	1.01	1.27	2.10
11	0.61	0.79	0.96	1.23	2.10
12	0.57	0.75	0.92	1.18	2.10

CE-MARKING

CE approval is carried out in accordance with the harmonized standard for dowel-type fasteners – Timber structures: EN 14592:2008+A1:2012.

The initial type test (ITT) is performed by a certified third-party institute, also documented factory product control (FPC), as required in the European standard above.

Mechanical strength and stiffness (characteristic)			
Yield moment	$M_{y,k}$	[Nm]	5.0
Withdrawal parameter	$f_{ax,k}$	[N/mm ²]	13.7
Tensile capacity	$f_{tens,k}$	[kN]	5.5
Torsional ratio	$f_{tor,k} / R_{tor,k} \geq 1.5$		