



# PRODUCT DATASHEET

## FIBROUS CEMENT BOARD SCREW

### PRODUCT DETAILS

<b>Purpose:</b>	Fixing cladding and roofing applications to timber.
<b>Head style:</b>	5/16" Hexagonal Head
<b>Drill Point:</b>	Type 17 Gash Point
<b>Thread Form:</b>	Single
<b>Coating:</b>	500hr Rated EvoShield® Coating
<b>Shank Material:</b>	Carbon Steel
<b>Material Grade:</b>	AISI C1022
<b>Recommended Drill Speed:</b>	1,500 - 2,500 RPM
<b>Washer:</b>	16/19mm EDPM washer

### Composite Panel for Timber w/16mm washer- Products for use in Timber and Very Light Gauge Applications (0.6mm to 1.2mm mild steel)

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Washer Diameter (mm)	Drilling Point
TSBWHT6.3-80-GP	6.3 x 80.0mm	50	16	Type 17 Gash Point
TSBWHT6.3-100-GP	6.3 x 100.0mm	50	16	Type 17 Gash Point
TSBWHT6.3-125-GP	6.3 x 125.0mm	50	16	Type 17 Gash Point
TSBWHT6.3-150-GP	6.3 x 150.0mm	75	16	Type 17 Gash Point

### Composite Panel for Timber w/19mm washer- Products for use in Timber and Very Light Gauge Applications (0.6mm to 1.2mm mild steel)

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Washer Diameter (mm)	Drilling Point
TSBWHT19-6.3-125-GP	6.3 x 125.0mm	50	19	Type 17 Gash Point
TSBWHT19-6.3-150-GP	6.3 x 150.0mm	75	19	Type 17 Gash Point
TSBWHT19-6.3-180-GP	6.3 x 180.0mm	75	19	Type 17 Gash Point
TSBWHT19-6.3-200-GP	6.3 x 200.0mm	75	19	Type 17 Gash Point

### Ultimate Withdrawal Resistance, $N_{Rk}$ , from S355JR Steel (N)

Diameter	Drill Point	Nominal Substrate Thickness, $t_{nom}$	
		0.6mm	1.2mm
6.3mm	Type 17 Gash Point	1,200 N	2,900 N

### Ultimate Mechanical Performance

Property	Magnitude
Tensile Capacity, $(F_{ult}, R_k)$	23,300N
Shear Capacity, $(V_{ult}, R_k)$	16,000N

### Ultimate Withdrawal Resistance, $N_{Rk}$ , from C16 Timber (N)

Diameter	Drill Point	Nominal Embedment Depth
		35mm
6.3mm	Type 17 Gash Point	1,700 N

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved. ©Evolution Fasteners UK Ltd, 2021.