



PRODUCT DATASHEET

COMPOSITE PANEL FASTENER

PRODUCT DETAILS

Purpose:	Fixing cladding/roofing applications to hot/cold purlins/rails. Fastening liner panels and general components to steel. Fastening brick-tie channel through Insulation to SFS.
Head style and drive:	Hexagonal, 5/16" hexagonal
Thread Form:	Coarse thread
Shank Material:	Carbon Steel
Material Grade:	AISI C1022
Coating:	500hr Evoshield®
Recommended Drill Speed:	1500 - 2500RPM

Composite Panel Fastener Range – for light steel

Product Code	Size	Insulation Thickness Range	Drilling Capacity
TSHWHT5.5-135-3	5.5 x 135mm	60-120mm	1.2-3.5mm
TSHWHT5.5-150-3	5.5 x 150mm	75-135mm	1.2-3.5mm
TSHWHT5.5-185-3	5.5 x 185.0mm	110-170mm	1.2-3.5mm

Technical Data

Characteristic Pull Out Values(N)

Diameter	Drill Point	Steel Thickness					
		1.2mm	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	TEK 3	1,695	2,006	2,885	4,255	5,740	6,360

General Mechanical Performance

Diameter	Characteristic tensile capacity, $F_{ult,Rk}$ (N)	Characteristic shear capacity, $V_{ult,Rk}$ (N)	Characteristic torsional capacity, $\tau_{ult,Rk}$ (Nm)
5.5mm	12,060	7,990	15.8

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.
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