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PRODUCT DATASHEET COMPOSITE PANEL SUPERTEK 7

Product Details

Designed for: Fixing steel to steel

Head style: Hexagonal
Drive bit: 5/16" hexagonal
Drill point: Tek 7 spiral point

Thread form: Single, 24 threads per inch fine thread 'V' fluted

Coating: 1000hr Evoshield®

Shank material: Carbon steel
Material grade: AISI C1022
Recommended drill speed: 1500-2500 RPM

Steel thickness: 3.5 – 18.5mm

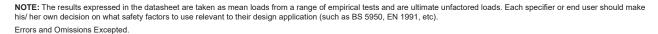


Product Code	Size	Washer	Effective thread length	Drilling capacity
TSBWHT5.5-150-7	5.5x150mm	16mm	70mm (50mm Thread)	3.5-18.5mm

Technical Data

Hardness Rating (Vickers scale)				Ultimate Mechanical Performance			
Diameter	Surface Hardness	Core Hardness			Tensile Shear Strength Strength		
5.5mm	372.0HV	580.0HV		5.5mm	13.9kN	10.3kN	

Tek 7 range – Unfactored pull out values								
Diameter Dr	Drill point	Steel Thickness						
	Dini ponit	4.0mm	6.0mm	8.0mm	10.0mm	15.0mm	18.0mm	
5.5mm	Tek 7	4.1kN	6.9kN	11.3kN	13.5kN	16.6kN	19.7kN	



ABOUT OUR TESTING



All test results were derived from empirical testing performed by ETAS (Evolution Testing & Analytical Services), a UKAS (United Kingdom Accreditation Service) accredited testing laboratory (Accreditation No. 7485). The following tests were performed to the following standards.

Testing Procedures



7485

Test/ Parameter	Standard/ Method/ Procedure
Ultimate Tensile	ISO 6892-1: 2009 "Metallic materials – tensile testing – Part 1: Method of test at room temperature".
Ultimate Shear	MIL-STD-1312-13 "Military Standard: Fastener test method (Method 13) Double shear test".
Pull Out (Withdrawal Force)	EN 14566: 2009 "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".
Pull Over	EN 14592: 2008 "Timber structures. Dowel type fasteners. Requirements".
Hardness	ISO 650 7-1: 2005 "Metallic materials – Vickers hardness test – Part 1: Test method".
Corrosion Resistance	EN ISO 9227: 2012 "Corrosion tests in artificial atmospheres. Salt spray tests".
Drilling Time Test	EN 14566: 2009 "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".

Laboratory Contact Details

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