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PRODUCT DATASHEET

Collated SUPER DRYWALL SCREWS (EvoShield® coated)

PRODUCT DETAILS

Purpose:	Mechanical fastening[1] of drywall and cementitious boards[2] to mild steel structural framing or partitioning systems[3]
Head style and drive:	Bugle head with undercutting ring. Phillips No. 2 female recess.
Material Grade:	SAE C1020 (hardened > 55 HRC).
Coating:	EvoShield® 1,000HR.
Self-drilling point:	TEK® 3.

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions, d_{nom} x L_{nom} (mm)	Effective Thread Length, L_{thread} (mm)	Drilling Capacity, H_{cap} (mm)
CEVUTK4.8-38-3	4.8 x 38 mm	29.0	1.2-4.0
CEVUTK4.8-50-3	4.8 x 50 mm	41.0	1.2-4.0
CEVUTK4.8-75-3	4.8 x 75 mm	66.0	1.2-4.0

CHARACTERISTIC WITHDRAWAL RESISTANCE[4,5], NRk , FROM S355JR MILD STEEL[6]

Nom. Dia. (mm)	Nominal Substrate Thickness, t_{nom} (mm)				
	1.2	1.5	2.0	3.0	4.0
4.8	1,380	2,060	3,230	6,320	8,650

CHARACTERISTIC[4] MECHANICAL PROPERTIES

Characteristic	Symbol	Magnitude	Unit
Characteristic tensile capacity, [7]	$F_{ult,Rk}$	14,030	N
Characteristic shear capacity, [8]	$V_{ult,Rk}$	8,740	N
Characteristic torsional capacity, [9]	$T_{ult,Rk}$	8.90	Nm

1 Mechanical fasteners pursuant to BS EN 14566: 2008 & A1: 2009,
2 Metal components pursuant to BS EN 14195: 2014,
3 Gypsum plasterboard pursuant to BS EN 520: 2004 & A1: 2009 and fibre reinforced boards pursuant to BS EN 15283-1: 2008 & A1: 2009 and BS EN 15283-2: 2008,
4 Characteristic loads specifically refers to the mean result from empirical tests minus two standard deviations and rounded down to the nearest 10N in accordance with EAD 330047-01-0602 and UKAS Document M3003,
5 Derived from empirical testing pursuant to BS EN 14566: 2008 & A1: 2009,
6 Mild hot-rolled steel pursuant to BS EN 10025-2: 2019,
7 Derived from empirical testing pursuant to BS EN ISO 6892-1: 2016 NC,
8 Derived from empirical testing pursuant to MIL-STD-1312 REV B NC,
9 Derived from empirical testing pursuant to BS EN ISO 10666: 1999 NC.

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.