



PRODUCT DATASHEET

CEMENTITIOUS BOARD SCREW

PRODUCT DETAILS

| | |
|--------------------------|--|
| Purpose: | Fixing cementitious and other dense boards to timber and light gauge steel |
| Head style: | Double countersunk with nibs |
| Recess Type: | Phillips No. 2 |
| Thread Type: | Evolution Universal Thread |
| Drilling Capacity: | Up to 1.2mm steel |
| Material: | Carbon steel C1022 |
| Coating: | EvoShield® 1,000Hr |
| Recommended Drill Speed: | 1500 - 2500 RPM |

GENERAL PHYSICAL CHARACTERISTICS

| SKU | Nominal Dimensions, $d_{nom} \times L_{nom}$ (mm) | Drill Point | Effective Thread Length, L_{thread} (mm) |
|----------|---|-------------|--|
| WHL08158 | 4.2 x 42.0 | Spoon Point | 32.0 |
| WHL08114 | 4.2 x 32.0 | Spoon Point | 22.0 |

ULTIMATE PULL OUT LOADS (kN) IN C16 TIMBER

| Nom. Dia. (mm) | Nominal Substrate Thickness (mm) | | |
|-------------------|----------------------------------|---------|---------|
| | 15 | 30 | 50 |
| 4.2 | 1,900 N | 2,700 N | 3,200 N |

CHARACTERISTIC PULL OUT VALUES (METALLIC SUBSTRATE)

| Nom. Dia. (mm) | Nominal Substrate Thickness (mm) | | |
|-------------------|----------------------------------|---------|---------|
| | 0.6 | 1.0 | 1.2 |
| 4.2 | 1,900 N | 2,700 N | 3,200 N |

ULTIMATE MECHANICAL PROPERTIES

| | Magnitude |
|--------------------------------------|-----------|
| Tensile capacity, (F_{ult}, R_k) | 6,900N |
| Shear capacity, (V_{ult}, R_k) | 5,000N |

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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