



PRODUCT DATASHEET

Coarse Thread Drywall Screw (Phosphate)

Product Details

| | |
|--------------------------|-------------------------------|
| Purpose: | Fixing plasterboard to timber |
| Head style: | Bugle |
| Shank Material: | Carbon steel |
| Material Grade: | SAE C1022 |
| Coating: | Black Phosphate |
| Thread Form: | Single coarse thread |
| Recess Type: | Phillips 2 |
| Drill Point: | Super sharp point |
| Recommended Drill Speed: | 3000 - 4000 RPM |

Coarse Thread Drywall Screw (Phosphate) Range- Products for use in timber applications

| SKU | Nominal Dimensions, dnom x Lnom (mm) | Effective Thread Length, Lthread (mm) |
|----------|--|---|
| DWSC25 | 3.5 x 25.0 | Full |
| DWSC32 | 3.5 x 32.0 | Full |
| DWSC35 | 3.5 x 35.0 | Full |
| DWSC38 | 3.5 x 38.0 | Full |
| DWSC42 | 3.5 x 42.0 | Full |
| DWSC50 | 3.5 x 50.0 | Full |
| DWSC65 | 4.2 x 65.0 | 50.0 |
| DWSC75 | 4.2 x 75.0 | 50.0 |
| DWSC90 | 4.8 x 90.0 | 60.0 |
| DWSC100 | 4.8 x 100.0 | 60.0 |
| DWSC110 | 4.8 x 110.0 | 60.0 |
| DWSC120 | 4.8 x 120.0 | 60.0 |
| DWSC130 | 4.8 x 130.0 | 60.0 |
| DWSC140* | 4.8 x 140.0 | 60.0 |
| DWSC150 | 4.8 x 150.0 | 60.0 |
| DWSC160* | 4.8 x 160.0 | 60.0 |
| DWSC170 | 4.8 x 170.0 | 60.0 |

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Ultimate Withdrawal Resistance, N_{Rk} , from C16 Timber

| Diameter (mm) | Timber Embedment Depth | | |
|------------------|------------------------|---------|---------|
| | 25.0 mm | 30.0 mm | 40.0 mm |
| 3.5 | 2,800 N | N/A | N/A |
| 4.2 | 3,000 N | 4,000 N | 4,800 N |
| 4.8 | 3,400 N | 4,000 N | 5,800 N |

Ultimate Mechanical Performance

| Property | Magnitude (N) | | |
|--------------------------------|------------------|---------|----------|
| | 3.5 mm | 4.2 mm | 4.8 mm |
| Tensile Capacity, $F_{ult,Rk}$ | 6,500 N | 8,000 N | 10,500 N |
| Shear Capacity, $V_{ult,Rk}$ | 4,500 N | 5,200 N | 6,600 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.
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