

PRODUCT DATASHEET

COLLATED COARSE THREAD DRYWALL SCREW (phosphate)



PRODUCT DETAILS

Purpose:	Fixing plasterboard to timber studs.
Head style	Bugle
Drive Bit:	Phillips 2
Drill Point:	Super sharp point
Thread Form:	Single thread, fine
Coating:	Black phosphate
Shank Material:	Carbon steel
Material Grade:	AISI C1022
Effective Thread Length:	Fully threaded
Recommended Drill Speed:	2,000 - 3,000 RPM
Steel Thickness:	0.5mm - 1.0mm

COLLATED COARSE PHOSPHATE DRYWALL RANGE:

CODE	SIZE	FIXTURE THICKNESS
CDWCP25	3.5mm x 25mm	8mm
CDWCP32	3.5mm x 32mm	12mm
CDWCP35	3.5mm x 35mm	15mm
CDWCP38	3.5mm x 38mm	18mm
CDWCP42	3.5mm x 42mm	20mm
CDWCP3935	3.9mm x 35mm	15mm
CDWCP45	3.5mm x 45mm	22mm
CDWCP50	3.5mm x 50mm	25mm
CDWCP55	3.5mm x 55mm	30mm
CDWCP65	4.2mm x 65mm	45mm
CDWCP75	4.2mm x 75mm	55mm

Characteristic Hardness (Vickers)

Nominal Diameter, d_{nom} (mm)	Hardness Parameter
	Surface, $H_{surface}$
3.9mm	≥649
4.2mm	≥649

Characteristic Mechanical Performance of the Fasteners (N):

Nominal Diameter, d_{nom} (mm)	Tensile Capacity, $N_{tens,Rk}$	Shear Capacity, $V_{shear,Rk}$	Torque
3.9mm	1.4kN	0.8kN	2.7Nm
4.2mm	1.6kN	0.9kN	2.9Nm

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-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.