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EVO-DS-IF-IC-0224-E

PRODUCT DATASHEET

INSULATION CONCRETE SCREW



Image is a realistic rendering of the product described
Illustrated image is representative of the full range.
Please refer to the corresponding drawing file for 1:1 scale replication per SKU

Product Details

Purpose:	Fixing insulation to concrete
Head style:	Low Profile Dome Head
Thread Form:	Single Thread
Drive bit:	Torx 30
Drill point:	-
Coating:	Passivated Zinc ≥ 5µm
Shank material:	Carbon Steel
Material grade:	AISI C1022
Recommended Drill Speed:	1,500 - 2,500 RPM
Nominal Drill Hole Diameter For Concrete:	6.0mm

Heavy Duty, Multi Purpose Roofing Screws - Products for use in steel, timber and concrete

SKU	Nominal Dimensions, dnom x Lnom (mm)	Fixture Build-Up (mm)	Effective Thread Length, Lthread (mm)
ICS125	7.3 x 125.0	85.0	40.0mm
ICS150	7.3 x 150.0	110.0	40.0mm
ICS175	7.3 x 175.0	135.0	40.0mm
ICS200	7.3 x 200.0	160.0	40.0mm
ICS250	7.3 x 250.0	210.0	40.0mm
ICS300	7.3 x 300.0	250.0	40.0mm
ICS350	7.3 x 350.0	310.0	40.0mm

*Products are paired with a stress plate (Sold Separately)

Charateristic Withdrawal Resistance, N_{Rk}, from C35 Concrete (N)

Diameter	Nominal Embedment	
	25mm	40mm
7.3mm	2030N	6370N

Ultimate Mechcnical Performance

Property	Magnitude
Tensile Capacity, (F_{ult},R_k)	1910 N
Shear Capacity, (V_{ult},R_k)	1140 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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