

PRODUCT DATASHEET

INSULATION CONCRETE SCREW



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 $\geq 5\mu\text{m}$
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)	Effective Thread Length, Lthread (mm)
ICS125	7.3 x 125.0	40.0mm
ICS150	7.3 x 150.0	40.0mm
ICS175	7.3 x 175.0	40.0mm
ICS200	7.3 x 200.0	40.0mm
ICS250	7.3 x 250.0	40.0mm

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

Diameter	Nominal Embedment
	40.0mm
6.3	970 N

NOTE: Plastic injected mpolded head fails before fastener is pulled-out, value shown represent this.

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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