

# PRODUCT DATASHEET

## INSULATION CONCRETE SCREW



### Product Details

<b>Purpose:</b>	Fixing insulation to concrete
<b>Head style:</b>	Low Profile Dome Head
<b>Thread Form:</b>	Single Thread
<b>Drive bit:</b>	Torx 30
<b>Drill point:</b>	-
<b>Coating:</b>	Passivated Zinc $\geq 5\mu\text{m}$
<b>Shank material:</b>	Carbon Steel
<b>Material grade:</b>	AISI C1022
<b>Recommended Drill Speed:</b>	1,500 - 2,500 RPM
<b>Nominal Drill Hole Diameter For Concrete:</b>	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

### Characteristic Withdrawal Resistance, $N_{Rk}$ , from C35 Concrete (N)

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

### Ultimate Mechanical 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-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.  
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