

# PRODUCT DATASHEET

## GIA (Galvanised Insulation Anchor)



### 1.0 General Product Application(s)

Evolution Galvanised Insulation Anchors are used for fixing rigid insulation and semi rigid insulation to concrete, blockwork and brick.

### 2.0 For Fixing

Mineral wool (MW) boards  
 Glass wool  
 Polystyrene (Eps boards)  
 Polyurethane (PU boards)

**Table 01: Pull Out Test Information**

Product code	Nominal Diameter (mm)	PULL OUT DATA EMBEDMENT DEPTH (mm)		
		35.00	40.00	45.00
GIA80	08.00	0.7kN	0.7kN	1.0kN
GIA90		0.7kN	0.7kN	1.0kN
GIA110		0.7kN	0.7kN	1.0kN
GIA140		0.7kN	0.7kN	1.0kN
GIA170		0.7kN	0.7kN	1.0kN
GIA200		0.7kN	0.7kN	1.0kN
GIA240		0.7kN	0.7kN	1.0kN
A2GIA110	08.00	0.7kN	0.8kN	1.0kN
A2GIA140		0.7kN	0.8kN	1.0kN
A2GIA170		0.7kN	0.8kN	1.0kN

**NOTE:** The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/ her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).



# ABOUT OUR TESTING



All test results were derived from empirical testing performed by ETAS (Evolution Testing & Analytical Services), a UKAS (United Kingdom Accreditation Service) accredited testing laboratory (Accreditation No. 7485). The following tests were performed to the following standards.

## Testing Procedures



**7485**

Test/ Parameter	Standard/ Method/ Procedure
Ultimate Tensile	<b>ISO 6892-1: 2009</b> <i>"Metallic materials – tensile testing – Part 1: Method of test at room temperature".</i>
Ultimate Shear	<b>MIL-STD-1312-13</b> <i>"Military Standard: Fastener test method (Method 13) Double shear test".</i>
Pull Out (Withdrawal Force)	<b>EN 14566: 2009</b> <i>"Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".</i>
Pull Over	<b>EN 14592: 2008</b> <i>"Timber structures. Dowel type fasteners. Requirements".</i>
Hardness	<b>ISO 650 7-1: 2005</b> <i>"Metallic materials – Vickers hardness test – Part 1: Test method".</i>
Corrosion Resistance	<b>EN ISO 9227: 2012</b> <i>"Corrosion tests in artificial atmospheres. Salt spray tests".</i>
Drilling Time Test	<b>EN 14566: 2009</b> <i>"Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".</i>

### Laboratory Contact Details

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