



- Shear/Movement Tie (PD 6697: 2010)
- Austenitic Stainless Steel
- CE Marked (EN 845-1)
- Lucideon Tested
- Masonry - Masonry Tie
- Debonded



Technical Data

The 2400 range tie is a shear tie designed to tie two leaves of masonry together at a vertical movement joint. It is designed to allow in axis movement of up to +/-10mm whilst resisting the applied shear loads subjected to the tie in service. The tie has been tested in line with the requirement of BS EN 846-7 to establish a declared shear load capacity which can be used in the design of a movement joint in a masonry panel.

Test Results

The design shear resistance of shear ties conforming to BS EN 845-1 should be taken as the declared shear load capacity, relevant for the type of mortar and masonry units, divided by the value of γ_{M2} for use with ancillary components given in

NA to BS EN 1996-1-1:2005, Table NA.1 which is a value of 3.0 for sites in the UK.

Installation

The 2400 range tie is designed for use in vertical movement joints at 300–450mm maximum centres. The tie provides lateral resistance to wind loading whilst allowing expansion and contraction of the masonry panel, preventing cracking. The tie should be installed so the plain end of the tie aligns with the hole at the bottom of the de-bonding sleeve allowing a minimum of 10mm of movement in both directions.

The tie is available in various lengths to suit the specific application, from 150mm to 300mm in 25mm increments; de-bonding sleeves are available in either 100mm or 125mm standard lengths. A tie should be selected to provide the minimum of 75mm embedment of the safe end and 100 or 125mm of plain strip for insertion into the appropriate de-bonding sleeve.

Tie - 2400/200

Tie Reference | Tie Length

Sleeve - DBSV23/125

Sleeve Reference | Sleeve Length

Mode of Test	Tie Feature	Maximum Declared Value (N)	Mortar Class
Shear	Masonry End	2500	M2 (iv)
	Debonded End	2340	

LEEDS (HEAD OFFICE)

Cross Green Approach, Cross
Green Ind Park, Leeds, LS9 0SG

LONDON

Crown House, Home Gardens,
Dartford, Kent, DA1 1DZ

GLASGOW

Festival House, 150 Brand Street,
Glasgow, G51 1DH

TAUNTON

2 The Crescent Taunton,
Somerset, TA1 4EA