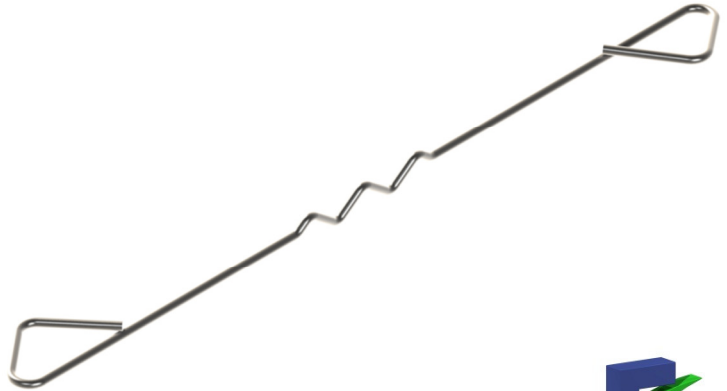


1100 Range Wire Tie

- ✓ Type 4 Wall Tie - PD 6697: 2010
- ✓ Tangle Free Embedment Ends
- ✓ CE Marked
- ✓ BS EN 845-1 Design
- ✓ BS EN 846-5 Tested
- ✓ 200, 225, 250 & 275mm Lengths
- ✓ Lucideon Tested



Installation

ACS 1100 Range Ties should be installed in line with the guidance of PD 6697: 2010 which stipulates that ties should be typically be installed at 900mm horizontal centres and 450mm vertical centres, staggered by 450mm between courses. This spacing should be reduced to 225mm around openings and at un-bonded edges within 300mm of the edge. Ties should be selected to provide 62.5mm of embedment in each leaf of masonry to ensure their performance under load after taking account of structural tolerances.

Tie Reference	Tie Length (mm)	Cavity Range (mm)
ACS1100/200	200	50-75
ACS1100/225	225	76-100
ACS1100/250	250	101-125
ACS1100/275	275	126-150

Technical Data

The ACS 1100 range tie is available in grades 304 and 316 austenitic stainless steel and is available in lengths of 200, 225, 250 and 275mm to suit cavities from 50-150mm. PD6697 advises that a Type 4 tie is suitable for buildings up to 10m in height and should be installed at a density of 2.5 ties/m². ACS recommends that the ties are installed with a nominal embedment of 62.5mm. Ties can be installed either way round due to the multi-drip feature, which prevents moisture from travelling across the cavity.

Test Results

	Mode of Test	Tie Length	Maximum Declared Value	PD 6697 Required Value
		(mm)	(N)	(N)
BS EN 846-5 Brick Couplet Test	Compressive	200	350	350
		225	350	
		250	520	
		275	410	
	Tensile	200	1040	650
		225	1040	
		250	1241	
		275	1839	

Tests performed at Lucideon proved that the 1100 range tie has a measured dynamic stiffness of 4.65MN/m³ in a 100mm cavity and therefore is classed as a Type A tie in line with guidance of Approved Document E of the Building Regulations.

For further information or technical assistance please contact the ACS Technical Department on 0870 850 0860 or email technical@acsstainless.co.uk

LEEDS
Cross Green Approach
Cross Green Industrial Park
Leeds LS9 0SG

Tel: +44 (0)113 391 8200
Fax: +44 (0)113 391 8209

LONDON
Crown House
Home Gardens
Dartford

Tel: +44 (0)1322 424 510
Fax: +44 (0)1322 424 504

GLASGOW
Festival House
150 Brand Street
Glasgow G51 1DH

Tel: +44 (0)141 314 0048
Fax: +44 (0)141 314 0026

