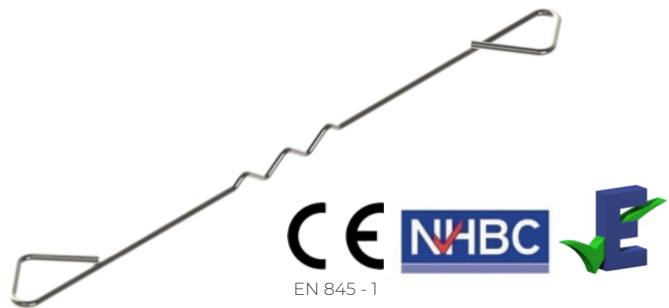




- Type 4 Wall Tie - PD 6697: 2010
- Tangle Free Embedment Ends
- CE Marked
- BS EN 845-1 Design
- BS EN 846-5 Tested
- 200, 225, 250 & 275mm Lengths
- CERAM Tested



Installation

ACS 1100 Range Ties should be installed in line with the guidance of PD 6697: 2010 which stipulates that ties should be installed 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

Test Results

	Mode of Test	Tie Length (mm)	Maximum Declared Value (N)	BS EN 845-1 Required Value (N)
BS EN 845-1	Compressive	200	451	450
		225	451	
		250	570	
		275	523	
Brick Couplet Test	Tensile	200	1040	650
		225	1040	
		250	1241	
		275	1839	

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.

Tests performed CERAM Building Technology Ltd 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.

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