

Declaration of Performance

HI-GM 09-003.03
www.hadleygroup.com

1. Unique identification code of the product-type:
Asymetrical Wall Tie and channel (cavity width up to 177.5mm)
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant Article 11(4):
**04465+++ HADLEY 25/14 channel and Tec-Ties TTCH Channel Tie and compression spacer system
Conforms to the provisions of BS EN 845-1:2013+A1:2016**
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
Wall tie system comprising of TTCH Series Channel Ties and 04465+++ HADLEY 25/14 channel to connect a masonry leaf to a light steel frame or other structural element using a 5.5mm dia. or greater, self-drilling and/or self-tapping 'high-thread' fastener of stainless steel or high carbon steel, usually (but not exclusively) through semi-rigid insulation and supported against compression by a stainless steel tube
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
**Hadley Industries Holdings Ltd trading as Hadley Group - Building Products Division
123 West Bromwich Street, Oldbury, West Midlands. B69 3AZ**

**TTCH Series Channel Ties by:- Tec-Ties Ltd
Unit 4, Hurstfield Industrial Estate, Hague Bar, New Mills, High Peak SK22 3AT**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in article 12(2):
Not Applicable
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 3
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
**Lucideon Limited, Queens Road, Penkhull, Stoke-on-Trent, Staffordshire ST4 7LQ
Notified body No. 1289
Tests were performed in accordance with the requirements of BS EN 846-6:2012**
8. In case of the declaration of performance concerning a construction product for which a European Technical assessment has been issued:
Not Applicable
9. Declared performance:

Essential Characteristics		
Compressive strength	Channel tie load capacity Tested at a maximum cavity width of 267.5mm	1160N (bending of tie)
	Channel tie load capacity 04465+++ HADLEY 25/14 channel screw fixed at 225mm ctrs	2020N (bending of channel) 1mm deflection 450N
	Channel tie load capacity 04465+++ HADLEY 25/14 channel screw fixed at 450mm ctrs	600N (bending of channel) 1mm deflection 130N
Buckling or bending stiffness at 1/3 declared capacity in compression (applicable to 04465+++ HADLEY 25/14 channel)	04465+++ HADLEY 25/14 channel screw fixed at 225mm ctrs	1.57mm (deflection of channel)
	04465+++ HADLEY 25/14 channel screw fixed at 450mm ctrs	1.65mm (deflection of channel)
Tensile strength	Channel tie interface load capacity	2810N (pull out of tie)
	Channel tie load capacity 04465+++ HADLEY 25/14 channel screw fixed at 225mm ctrs	2810N (pull out of tie) 1mm deflection 790N
	Channel tie load capacity 04465+++ HADLEY 25/14 channel screw fixed at 450mm ctrs	1150N (deflection of channel) 1mm deflection 300N
Buckling or bending stiffness at 1/3 declared capacity in tension (applicable to 04465+++ HADLEY 25/14 channel)	04465+++ HADLEY 25/14 channel screw fixed at 225mm ctrs	1.20 (deflection of channel)
	04465+++ HADLEY 25/14 channel screw fixed at 450mm ctrs	1.38mm (deflection of channel)
Water shedding capability		Resistant
Durability	TTCH Tie	Ref. R3, Steel grade 1.4301 stainless steel
	04465+++ HADLEY 25/14 channel	Ref. R3, Steel grade 1.4301 stainless steel
Dangerous substances		NPD

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.
The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of Hadley Group - Building Products Division by:

Name: **Dr M. Castellucci**
Smethwick, England
6th January 2020

Position: **Hadley Group Engineering Director**

Signature:

