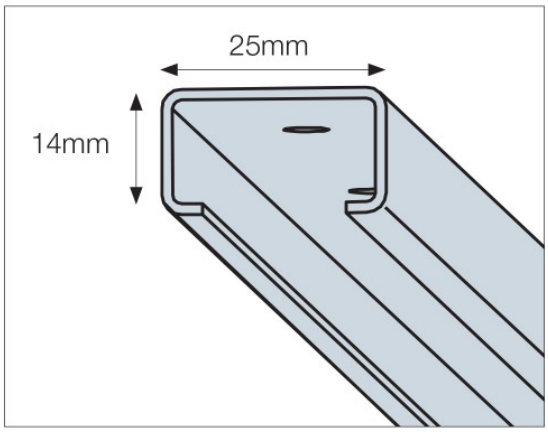
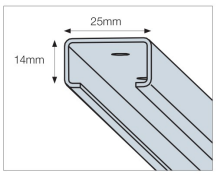
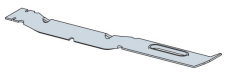
Technical data sheet

CH/T
Channel and Tie System

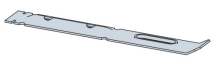
An accepted method of tying masonry to a framed structure is the use of steel channels and ties. This allows the channel to be fixed to the framed structure during or shortly after construction and the ties to be applied later by the bricklayer as the masonry is raised.
The 25mm x 14mm channel is fixed to the framed structure during or shortly after construction and the bonding, debonding or cavity ties are applied later by the bricklayer as the masonry is raised.
Channels are available in stainless steel or epoxy powder coated galvanised steel. Stainless steel or galvanised and epoxy powder coated channel. The latter when used in conjuction with stainless steel ties, being approved by B.R.E. Report No. 235599.







Cavity Tie



Bonding Tie

Debonding Tie

Features

Components

Cavity Tie
Cavity ties are used to tie masonry back to framework across a cavity, yet resist the ingress of moisture.
Bonding Tie
Bonding ties are designed to bond masonry firmly back to the frame, resisting both lateral and longitudinal forces. One example of their use would include a short run of masonry fixed to a column adjacent to an opening. In such cases the wall is particularly vulnerable to lateral loads, hence bonding ties are a solution.
Debonding Tie
Debonding ties are designed to provide a level of lateral stability whilst allowing the wall to move longitudinally. This is achieved by providing plastic sleeves for the ties within which the tie can slip

Applications

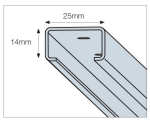
Material

Channel: Epoxy coated galvanised steel or stainless steel.
Cavity Tie: Stainless steel.
Bonding Tie: Stainless steel.
Debomding Tie: Stainless steel.

Technical Data

Channels

References	Material	Total Length [mm]
CH25/14PG2700	Epoxy Coated Galvanised Steel	2700



Cavity Ties

References	Clear Cavity Width [mm]	Total Length [mm]	Capacities [N]			
			Tensile		Compresive	
			1mm Servicability	Ultimate	1mm Servicabilty	Ultimate
CH/T50C	50	117.5	400	1200	700	2100
CH/T75C	75	142.5	400	1200	700	2100
CH/T100C	100	167.5	400	1200	700	2100

Cavity ties are used to tie masonry back to framework across a cavity, yet resist the ingress of moisture.

Bonding Tie

References	Total Length [mm]	Shear Loads [N]	
		1mm Servicability	Ultimate
CH/T150B	142.5	240	720

Debonding Tie

References	Total Length [mm]	Shear Loads [N]	
		1mm Servicabilty	Ultimate
CH/T150DB	142.5	240	720

Bonding ties are designed to bond masonry firmly back to the frame, resisting both lateral and longitudinal forces. One example of their use would include a short run of masonry fixed to a column adjacent to an opening. In such cases the wall is particularly vulnerable to lateral loads, hence bonding ties are a solution.

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