

Bricktie® GCF

Product Data Sheet

General description

Bricktie® GCF is a ladder type masonry reinforcement element that consists of a 20 x 3mm flat tie welded to two longitudinal flattened reinforcing wires.

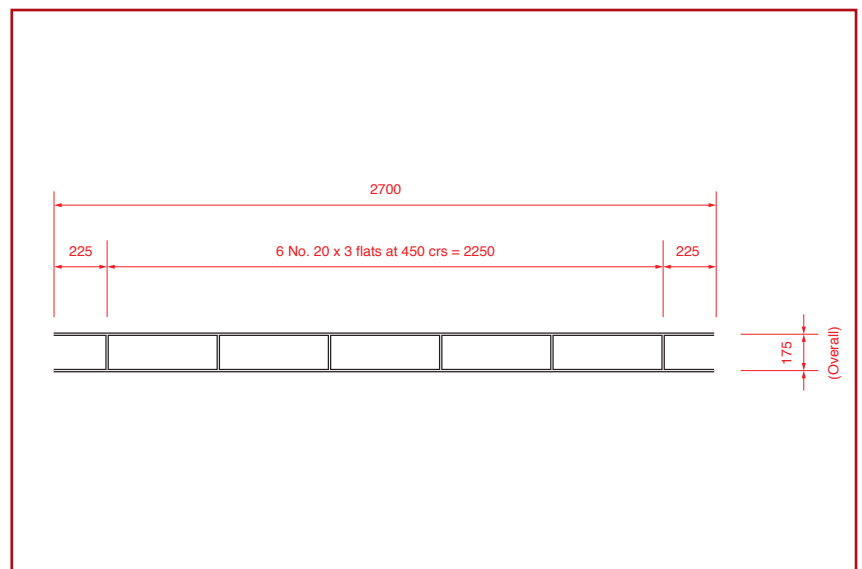
Application

- Bricktie® GCF (galvanised) is suitable for masonry that is exposed to a dry environment (MX1, compliant with Eurocode 6 / EN845-3).
- For masonry that is exposed to humid conditions (e.g. exterior walls) or aggressive environment, Bekaert offers Bricktie® SCF in stainless steel (MX2, MX3, MX4, type in consultation with Bekaert). Please contact us for further details.
- Bricktie® GCF is suitable for **mortar joints** (10 to 12 mm thick).
- Bricktie® GCF is widely used for tying and reinforcing composite masonry walls

The use of Bricktie® allows the construction of collar-jointed walls - made up from two thinner blocks. By tying the two masonry leaves together, the wall may be designed as if it were solid construction.

The use of Bricktie® also enables a fair-faced block finish to both sides of the wall by adopting a collar-joint construction. Similarly, a single solid brick wall 215mm in thickness can be constructed using stretcher bond coursing without the need for any additional ties.

Geometry



Dimensions and weights

Bricktie® GCF is available in widths to suit any required wall make up, although the most common form is 175mm wide Bricktie® to suit a 215mm collar-jointed wall constructed from two leaves of 100mm.

Material	w	pitch	$\phi_{\text{longitudinal}}$	profile longitudinal	$\phi_{\text{cross-flat}}$	length	weight
	a	b	c		d	L_{nom}	
-	mm	mm	mm	mm	mm	mm	kg/pc
Bricktie® GCF35W175	175	450	3,50	2,75 x 4	20 x 3	2700	0,905
Bricktie® GCF40W175	175	450	4,00	2,75 x 5	20 x 3	2700	1,045
Bricktie® GCF50W175	175	450	5,00	3 x 8	20 x 3	2700	1,360

Technical specifications

Material	$A_{\text{longitudinal}}$	$A_{\text{cross-flat}}$	$A_{\text{TOTAL ex cross-flat}}$	$R_{p0.2}$	EN 845-3 mat coat ref	Zinc (1)
-	mm ²	mm ²	mm ²	N/mm ²		g/m ²
Bricktie® GCF35W175	9,62	60,0	19,24	500	R20	60
Bricktie® GCF40W175	12,57	60,0	25,13	500	R20	60
Bricktie® GCF50W175	19,63	60,0	39,27	500	R20	60

(1) on round wire before any subsequent processing



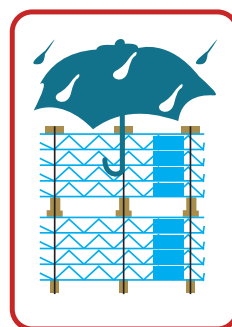
Packaging

- Bricktie® can be supplied in multiples of single strips.
 Full pallet is: Bricktie® GCF35W175 = 700 units
 Bricktie® GCF40W175 = 700 units
 Bricktie® GCF50W175 = 500 units
- Each bundle has a product label

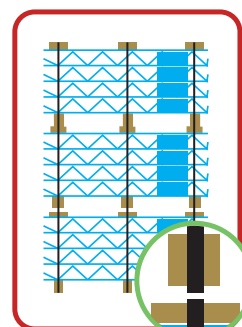
Packaging units

Material			Per pallet	Per pallet
	pcs	lm	pcs	lm
Bricktie® GCF35W175	1	2,7	700	1890,0
Bricktie® GCF40W175	1	2,7	700	1890,0
Bricktie® GCF50W175	1	2,7	700	1890,0

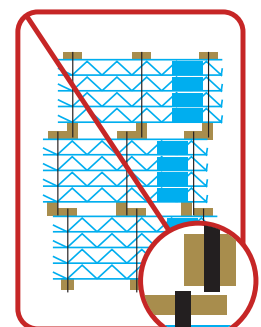
Storage instructions



STORE DRY



RIGHT



WRONG

Certificates

- CE, compliant with EN 845-3. The document "EC Declaration of Conformity" is available upon request

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