

Promat



# CAFCO<sup>®</sup> Plastic Coated Galvanised Mesh & CAFCO<sup>®</sup> Helical CD Weld Pin

*Reinforcement System*

petrochemical applications



## CAFCO® Plastic Coated Galvanised Mesh & CAFCO® Helical CD Weld Pin

### Reinforcement System

#### INTRODUCTION – CAFCO® Plastic Coated Galvanised Mesh

CAFCO® Plastic Coated Galvanised Mesh is a hexagonal mesh wire netting “reverse twist”, galvanised after weaving and coated in blue plastic.

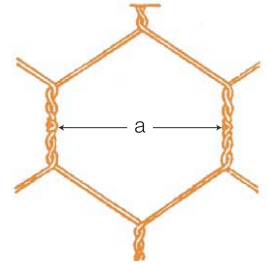
This netting is embedded in the fire protection coating.

Nominal wire diameter (d) is the diameter in mm to designate the wire.

Real wire diameter is the arithmetical mean of the minimum and maximum diameter, measured in the same section of a straight piece of wire by mean of the minimum and maximum diameter.

Nominal mesh size is the distance in mm to designate the mesh.

Real mesh size (a) is the distance in mm between the twists.



Raw material		
Chemical composition of wire rod	Element	%
	C	0.10
	Si	0.30
	Mn	0.50
	P	0.070
	S	0.060
Zinc slabs	Minimum 99.5% of pure zinc	
Plastic coating	Polyvinyl chloride (PVC), turquoise blue in accordance with RAL code 5012 or Munsell code 10 BG 6/6.	

Properties and performance		
Wire diameters and tolerances	Nominal diameter (d)	1.00mm or 1.50mm
	Core diameter	1.00mm ± 0.065mm in accordance with DIN 177
	Final diameter	1.50mm ± 0.10mm in accordance with DIN 3036 T2
Mesh sizes and tolerances	50mm ± 6mm in accordance with DIN 1200. The actual mesh size is the average value of 10 successive mesh openings in the transverse direction of the netting. Actual mesh size in mm = $L/10 - 2d$ “L” being the length in mm of 10 successive meshes in the transverse direction. “d” being the wire diameter in mm.	
Tensile strength (Rm) of the wires	350-500N/mm <sup>2</sup>	
Mass of zinc	Minimum mass of zinc is 35g/m <sup>2</sup> in accordance with DIN 1200. To be determined by double weighing on a piece of netting of 150mm x 150mm without salvage and to be expressed in g/m <sup>2</sup> of the wire surface.	
PVC coating	Homogeneous coating free from uncoated spots.	

#### QUALITY ASSURANCE

Promat manufactures to a quality system in accordance with ISO 9001:2000 and has received full accreditation to these standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures. Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.



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## Reinforcement System

### PACKAGING – CAFCO® Plastic Coated Galvanised Mesh

23 rolls strapped on wooden pallet under stretch-foil, each roll is shrink-packed.

Packaging reference	
Roll length	25m ± 2%
Netting width	Nominal 1000mm ± 30mm in accordance with DIN 1200
Inside diameter of the rolls	Approximately 100mm
Outside diameter of the rolls	Approximately 210mm
Roll weight	8.2kg ± 5%
Identification	Each roll is provided with a coloured identification tag

### INTRODUCTION – CAFCO® Helical CD Weld Pin

CAFCO® Helical CD Welded Pins are special stainless steel pins welded to the substrate using an approved capacitance discharge weld machine incorporating a special Cafco supplied chuck.

The helical pins are used to retain the plastic coated galvanised retention/reinforcement mesh used in conjunction with the Cafco FENDOLITE® Mill system.

No clips are required.

Properties and performance	
Material	Stainless steel in accordance with AISI.316.S.11
Dimensions	Wire diameter: 2.20mm ± 0.01mm Headed flange diameter: 4.72mm ± 0.03mm Headed flange thickness: 0.079mm ± 0.02mm
Tensile strength	Minimum 540N/mm <sup>2</sup>

## HEALTH AND SAFETY

The use of eye protection and gloves is recommended. In addition, appropriate face masks should be used during any drilling operations.

Size and shape of the product would generally preclude ingestion. Medical attention should be sought in the event of parts being swallowed.

Normal hygiene precautions should be followed by washing hands before handling or eating food.

Promat activities are conducted with due regard to all statutory requirements with appropriate safeguards against exposing employees and the public to health and safety risks.





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