Promat

Promat® Plastic Coated Galvanised Mesh & Promat® Helical CD Weld Pin

PROPERTIES AND PERFORMANCES

Wire diameters and tolerances	Nominal diameter (d) Core diameter Final diameter	1.00mm or 1.50mm 1.00mm or 1.20mm ±0.065mm in accordance with DIN 177 1.50mm ± 0.10mm in accordance with DIN 3036T2
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 strenght (Rm) of the wires	350 - 500 N/mm^2	
Mass of zinc	Minimum mass of zinc is 35g/m^2 in accordance with DIN 1200. To be determined by double weighing on a piece of netting of 150 mm x 150 mm without salvage and to be expressed in g/m^2 of the wire surface.	
PVC coating	Homogeneous coating free from uncoated spots	

RAW MATERIAL

Chemical composition of wire rod	Element C Si Mn P S	% 0.10 0.30 0.50 0.070 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	

INTRODUCTION – Promat® Plastic Coated Galvanised Mesh

Promat® 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) 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, 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.

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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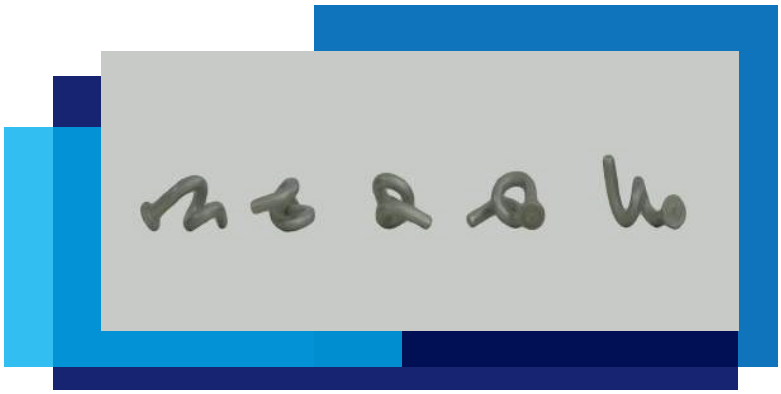

PACKAGING REFERENCE

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

INTRODUCTION – Promat® Helical CD Weld Pin

Promat® Helical CD Weld Pins are special stainless steel pins welded to the substrate using an approved capacitance discharge weld machine incorporating a special Promat sipplied chuck.

The helical pins are used to retain the plastic coated galvanised retention/ reinforcement mesh used in conjuction with the Promat FENDOLITE®-MII system.

No clips are required.

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 amployees and the public to health and safety risks.

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid. © Copyright Etex NV, Brussels, Belgium. All rights reserved. **2020-10**

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