CANCO FASTENERS
Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (Induction Route)

ITEM: ROFFING INSULATION FIXING
SIZE: 4.8 mm / 6.3 mm Screws, 8 mm / 10 mm Nail-Plugs
MATERIAL: PA / PP Polymer / Galvanized Steel
FINISH: Zinc Plated / Black

DESCRIPTION OF PARTS											
PROCESS ROUTE											
% CHEMICAL COMPOSITION											
Elements	C (%)	Mn (%)	Si (%) Max	P (%) Max	S (%)	Cr (%) Min	Mo (%)	V (%)	Al (%)	Br (%)	Others Max
Minimum	-	-	-	-	0.05%	-	-	-	0.01%	-	0.10%
Maximum	0.20%	0.50%	0.30%	0.05%	0.06%	0.60%	-	-	0.035%	-	0.20%
Achieved	0.15%	0.42%	0.22%	0.03%	0.04%	0.48%	-	-	0.027%	-	0.08%

BASIC PERFORMANCE DATE		
SIZE		4.8 mm / 6.3 mm Screws, 8 mm / 10 mm Nail-Plugs
PULL-OUT STRENGTH (Insulation Fixing)		
Steel Deck (Self-Drilling)	[kN]	2.0 – 4.0
Concrete (with Nail-Plug)	[kN]	3.0 – 5.0
SHEAR STRENGTH		
Steel Deck	[kN]	2.0 – 3.5
Concrete	[kN]	3.0 – 4.5
INSULATION THICKNESS RANGE		
Recommended Range	[mm]	20 – 300
TEMPERATURE RANGE		
Installation Temperature	[°C]	-5 to +35
Service Temperature	[°C]	-40 to +80
MATERIAL SUITABILITY		
Base Material		Steel Trapezoidal Deck, Timber Deck, Concrete and Lightweight Concrete Decks

Thanks & Regards

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