

DECLARATION OF PERFORMANCE

No. 001

1. Unique identification code of product type:

Wire nail, grooved, flat head, diameter 2.0 up to 6.0 mm

2. Intended use/es:

Used for structural timber products

3. Manufacturer:

Pintos Oy
Pysäköintie 12
27510 Eura
FINLAND

5. System/s of AVCP:

System 3

6 a. Harmonised standard:

EN 14592:2008+A1:2012

Notified body/ies:

Institut Technologique FCBA, identification number 0380,
Initial type Testing Report No 2010-104-2032

VTT Expert Services Oy, identification number 0537,
Initial type Testing Report No. VTT-S-02665-14

Factory production control (FPC) system is maintained under the responsibilities of the manufacturer.

7. Declared performance/s:

Harmonized technical specification:

Dimensions:

EN 14592:2008+A1:2012

Material:

Characteristics tensile strength of wire: $\min \geq 600 \text{ N/mm}^2$ according to EN 14592:2008+A1:2012

Bright / Hot dip zinc coated: EN 16120

Coating:

Hot dip zinc coating:

Zinc layer thickness $\geq 49 \mu\text{m}$, Service Class 3 according to EN 1995-1-1

Essential characteristics:

EN 14592:2008+A1:2012

HOT DIP ZINC COATING, Durability i.e corrosion protection Z350 Service Class 3

Name	Dimensions diameter x length d x l [mm]	Head cross- sectional area A_h [mm ²]	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter ^{a)} $f_{ax,k}$ [N/mm ²]	Characteristic head pull- through parameter ^{a)} $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]
2,0 x 40	2,0 x 40	19,6	924	4,02	8,58	NPD ^{b)}
2,0 x 50	2,0 x 50					
2,2 x 45	2,2 x 45	24,6	1230			
2,2 x 55	2,2 x 55					
2,3 x 55	2,3 x 55	21,2	1520			
2,3 x 60	2,3 x 60					
2,3 x 65	2,3 x 65					
2,5 x 55	2,5 x 55	31,2	1805			
2,5 x 65	2,5 x 65					
2,8 x 65	2,8 x 65	32,2	3620			
2,8 x 75	2,8 x 75					
2,8 x 90	2,8 x 90					
3,1 x 70	3,1 x 70	38,5	3441			
3,1 x 75	3,1 x 75					
3,1 x 80	3,1 x 80					
3,4 x 60	3,4 x 60	49,6	6460			
3,4 x 75	3,4 x 75					
3,4 x 90	3,4 x 90					
3,4 x 95	3,4 x 95					
3,4 x 100	3,4 x 100					
3,7 x 110	3,7 x 110	47,8	5850			
3,8 x 100	3,8 x 100	47,8	6050			
4,0 x 125	4,0 x 125	70,9	9870			
4,3 x 125	4,3 x 125	86,5	8766			
4,6 x 130	4,6 x 130	103,8	10730			
5,1 x 140	5,1 x 140	109,4	19130			
5,1 x 150	5,1 x 150					
5,1 x 160	5,1 x 160					
5,5 x 175	5,5 x 175	95,0	18343			
5,5 x 180	5,5 x 180					
5,5 x 200	5,5 x 200					
6,0 x 200	6,0 x 200	113,0	23814			

BRIGHT, Durability i.e corrosion protection Service Class 1

Name	Dimensions diameter x length d x l [mm]	Head cross- sectional area A _h [mm ²]	Characteristic yield moment M _{y,k} [Nmm]	Characteristic withdrawal parameter ^{a)} f _{ax,k} [N/mm ²]	Characteristic head pull- through parameter ^{a)} f _{head,k} [N/mm ²]	Characteristic tensile capacity f _{tens,k} [kN]
2,0 x 40	2,0 x 40	19,6	1078	1,72	8,58	NPD ^{b)}
2,0 x 50	2,0 x 50					
2,2 x 55	2,2 x 55	24,6	1434			
2,3 x 60	2,3 x 60	26,4	1640			
2,5 x 55	2,5 x 55	31,2	2105			
2,8 x 65	2,8 x 65	35,2	2958			
2,8 x 75	2,8 x 75					
3,1 x 70	3,1 x 70	38,5	4014			
3,1 x 75	3,1 x 75					
3,1 x 80	3,1 x 80					
3,4 x 90	3,4 x 90	46,5	5296			
3,4 x 95	3,4 x 95					
3,4 x 100	3,4 x 100					
3,7 x 110	3,7 x 110	47,8	6825			
3,8 x 100	3,8 x 100	47,8	6722			
3,8 x 125	3,8 x 125					
4,0 x 125	4,0 x 125	50,2	7840			
4,6 x 130	4,6 x 130	103,8	11924			
5,1 x 135	5,1 x 135	81,7	16250			
5,1 x 140	5,1 x 140					
5,1 x 150	5,1 x 150					
5,1 x 160	5,1 x 160					
5,5 x 160	5,5 x 160	149,5	20381			
5,5 x 180	5,5 x 180	95,0				
5,5 x 200	5,5 x 200					
6,0 x 200	6,0 x 200	113,0	26460			

a) Parameter was measured on timber with a characteristic density of 350 kg/m³ (C24)

b) No Performance Determined

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Eura, 28th August 2015



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Tuomas Pere, Managing Director