

Declaration of Performance, DoP 200/2013

(Version 6)

To visualize previous versions, click on relevant link : http://www.itwcp-techdocs.eu/DoP/Archive/DOP200_V5/DOP_200_English_V5.pdf

1. Product type: Plastic coil nails
2. Identification: Paslode nails
3. Intended use: For load-bearing wooden structures
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
ITW Construction Products
Gl. Banegaardsvej 25
DK-5500 Middelfart
5. Authorised representative: N/A
6. System of assessment: 3
7. Notified body / Test laboratory:

VHT Versuchsanstalt für Holz und Trockenbau
no. 1503
Annastrasse 18
64285 Darmstadt
Germany

STROJIRENSKY ZKUSEBNI USTAV, s.p.
no. 1015
Tovarni 5
466 21 JABLONEC nad Nisou
Czech Republic

performed ITT under system 3 (b) "determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation".

8. Declared performance to ETA: N/A
9. Declared performance:

Notes to the table

Characteristic values are calculated or tested according to EN 14592:2008+A1:2012.

10. The performance of the products is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Jan Ditlevsen
General Manager

Middelfart, 2019-09-12

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							Declared values according to EN 14592:2008 + A1:2012						
Nail diameter	Shank profile	Nail length	Head diameter/ Head area	Length of nail point	Length of ring shank	Corrosion protection	Service class	Material	Steel standard	Characteristic values $f_{t,k}$ min. 600 or 700 N/mm ²			
[mm]		[mm]	[mm/mm ²]	[mm]	[mm]					Withdrawal parameter	Head pull-through parameter	Yield moment	Tensile capacity
										$f_{a,k}$ [N/mm ²]	$f_{head,k}$ [N/mm ²]	$M_{y,k}$ [Nmm]	$F_{tens,k}$ [N]

NAILS

2,1	Smooth	30-50	4,8/18 5,5/23	3,2	N/A	Bright Electrogalv. 5 µm	1	C9D	EN ISO 16120-2	2,4	8,6	1400	NPD
		35	7/38	4,6	N/A	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	2,4	8,6	1570	NPD
	Helical screw	40-50	5/19 5,5/23	3,2	N/A	Bright	1	C9D	EN ISO 16120-2	3,6	19,8	1100	NPD
	Ring	27-50	5,5/23	3,2	17-31	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	10,5	19,8	1150	NPD
		35-50	4,7/17 5,5/23 5,25/21	4,2 4,2 3,2	17-37 17-37 17-27	Hot-dip galvanized, min. 55 µm Hot-dip galvanized, min. 55 µm Hot-dip galvanized, min. 55 µm	1-3 1-3 1-3	Steel Steel AISI 1008 Si	EN ISO 16120-2 EN ISO 16120-2 ASTM A510	8,1 8,1 9,2	12,9 12,9 19,8	1050 1050 1000	NPD
		27-40	5,5/23	4,2	14-27	A2	1-3	AISI 304, EN 1.4301	EN 10088-1	7,8	12,9	1160	NPD
		45-50	5/19		24-29	A2 A4	1-3	AISI 304, EN 1.4301 AISI 316, EN 1.4401	EN 10088-1	7,8			
		30-40	4,7/17 5,0/23	4,2	27	A2 A4	1-3	AISI 304, EN 1.4301 AISI 316, EN 1.4401	EN 10088-1	7,3	13	1150	NPD
		45	--/21	Max 4,2	Min 27,8	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	8,1	12,9	1050	NPD
2,3	Smooth	35	7/38	4,3	N/A	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	2,4	8,5	1200	NPD
2,5	Smooth	35	6,8/36	5	N/A	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	2,4	8,5	1940	NPD
		35-75 35-75	5,6/24 5,84/26	3,7 3,7	N/A N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	2,4	8,5	2250	NPD
	Helical Screw	45-75	6,5/24	3,7	N/A	Bright	1	C9D	EN ISO 16120-2	5,2	19,8	2550	NPD
	Ring	35	7/38	5	22	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	9	15,1	1910	NPD
		35-75	5,5/23 5,6/24 7/38	3,7	28-51	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	8,1	19,8	2100	NPD
		35-75	5,8/26 5,7/25	3,7	33 - 63 22 - 62	Hot-dip galvanized, min. 55 µm A2 A4	1-3 1-3 1-3	AISI 1008 Si AISI 304, EN 1.4301 AISI 316, EN 1.4401	ASTM A510 EN 10088-1 EN 10088-1	10 6,6 6,6	20 19 19	1500 1900 1900	NPD
		25-50	6,5/33	4	16-39	A2	1-3	AISI 304, EN 1.4301	EN 10088-1	7,6	20,9	1450	NPD
	Unilock	45	5,8/26	3,7	16	Electrogalv. 12 µm	1-2	AISI 1015	ASTM A510	8,6	19,8	1900	NPD
2,7	Smooth	69,5-75	5,6/24	4	N/A	Bright	1	C9D	EN ISO 16120-2	2,4	8,5	2750	NPD
	Helical screw	45-75	5,6/24	4	N/A	Bright	1	C9D	EN ISO 16120-2	6,2	20	2900	NPD
	Ring	35-75	5,6/24 6,15/29	4	24-51	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	7,3 6,8 6,8	20	2600	NPD
2,8	Ring	51-75	7,25 (5,1)/31	4,2	38-53	Electrogalv. 5 µm	1	C9D	EN ISO 16120-2	7,6	18,5	2550	NPD
		25 25-32	7,1/39	4,2	15 15-22	Hot-dip galvanized, min. 55 µm A2	1-3 1-3	AISI 1008 Si AISI 304, EN 1.4301	ASTM A510 EN 10088-1	6,1 6,1	NPD NPD	1950 2950	NPD
		50-70 65	5,7/25 5,7/25	4,2 4,2	38 - 63 51	Hot-dip galvanized, min. 55 µm A4	1-3 1-3	AISI 1008 Si AISI 316, EN 1.4401	ASTM A510 EN 10088-1	7 7,6	18 20,3	2400 2800	NPD
2,9	Smooth	50-88,5	5,6/24 6,85/36	4,4	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	2,4	8,5	3300	NPD
3,8	Smooth	89-130	8,55/57	5,6	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	2,4	8,5	6750	NPD
	Helical screw	100-130	8,55/57	5,6	N/A	Bright Electrogalv. 5 µm Electrogalv. 12 µm	1 1 1-2	C9D	EN ISO 16120-2	4,1	17,5	8400	NPD
4,0	Ring	40	8/50	6,0	25	Hot-dip galvanized, min. 55 µm	1-3	Steel	EN ISO 16120-2	8,9	15,8	6500	NPD

NAILScrew

2,5	NailScrew®	40 - 65 30 - 50	5,9/27 7/38	3,7 3,7	30 - 40 20 - 30	Electrogalv. 12 µm	1-2	17MnB3/20MnB4	EN 10269	8	12	2500	NPD
2,8	NailScrew®	45 45 - 75	7/38 5,9/27	4,2 4,2	31 30-40	Bright Electrogalv. 12 µm	1 1-2	17MnB3/20MnB4	EN 10269	8,3	18 13,5	2500	NPD
		45 - 75 45 - 55	5,9/27 7/38	4,2 4,2	30 - 55 31	A2 A2	1-3	AISI 304, EN 1.4301	EN 10088-1	8,3	13,5 18	1150	NPD

NPD = No Performance Determined

$f_{a,k}$ and $f_{head,k}$ are tested at a characteristic timber density of 350 kg/m³