Declaration of Performance, DoP 001/2013

1. Product type: Paper and plastic collated nails for nailing tools

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”. See table for references to test reports.

8. For the Paslode PPN nails a European Technical Assessment has been issued:
   DS Certificering A/S, ETA-Danmark, Kollegievej 6, DK-2920 Charlottenlund issued ETA-09/0273 performed under system 3 and issued 2010-06-01

9. Declared performance:

   Notes to the table:

   Characteristic values are calculated or tested according to EN 14592:2008 and A1:2012, except for the Paslode PPN nails which are declared according to ETA-09/0273.

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, June 2013

Paslode

DUO-FAST

Declaration of Performance, DoP 001/2013

							Declared values according to EN 14592:2008 + A1:2012								
Nail diameter [mm]	Shank profile	Nail length [mm]	Head diameter/ head area [mm/mm²]	Length of nail point [mm]	Length of ring shank [mm] A)	Corrosion protection	Service class	Material	Steel standard	Characteristic values fu,k min. 600 or 700 N/mm²				Test report no.	Reference to Technical Datasheet no.
										Withdrawal parameter $f_{ax,k}$ [N/mm²]	Head pull-through parameter $f_{head,k}$ [N/mm²]	Yield moment $M_{y,k}$ [Nmm]	Tensile capacity $f_{tens,k}$ [N]		
Nails															
2,2	Ring	50	5,45/3,9/35	3,3	35	Bright	1	AISI 1008	ASTM A510	8,6	20	1300	NPD***	VHT 3.4.2/51	6
2,5	Smooth	60	7/4,9/28	3,7	N/A	Bright	1	AISI 1008	ASTM A510	2,4	8,5	2250	NPD***	ITC****	9
	Ring	50	5,85/26	3,7	38	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	11,5	20	1600	NPD***	3.4.2/55	8
2,8	Smooth	51-80	6,45/32 7,25/5,1/31	4,2	N/A	Bright Galv-Plus HDG* min. 55 µm	1 1-2 1-3	AISI 1008 AISI 1008 AISI 1008 Si	ASTM A510	2,4	8,5	3050	NPD***	ITC****	16 17 18
	Ring	25-90	5,7/25 6,4/32 6,45/32 7,1/39 7,25/5,1/31	4,2	15-69	Bright Galv-Plus HDG* min. 55 µm A2 A4	1 1-2 1-3 1-3 1-3	AISI 1008 AISI 1008 AISI 1008 Si AISI 304 AISI 316	ASTM A510 ASTM A510 ASTM A510 EN 10088 EN 10088	9,2 7,6 7,4 7,6 7,6	20,3	2200 2200 2100 2600 2600	NPD***	VHT 3.4.2/52	10 11 12 13, 14 15
	Ring	25-32	7,3/41	4,2	14-21	HDG* min. 55 µm A2	1-3 1-3	AISI 1008 Si AISI 304	ASTM A510 EN 10088	8,3 12,1	N/A	1950 2950	NPD***	VHT 3.4.2/59	38, 39
	Jagged	55-75	6,8 - 36	4,2	48-67	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	5	20	2400	NPD	VHT 609-12/2,8	051
3,1	Smooth	70-90	6,5/33 7,5/5,3/33	4,7	N/A	Bright Galv-Plus HDG* min. 55 µm A4	1 1-2 1-3 1-3	AISI 1008 AISI 1008 AISI 1008 Si AISI 316	ASTM A510 EN 10088	2,4	8,5	3950	NPD***	ITC****	27 28 29
	Ring	63-98	6,5/33 7,5/5,3/33	4,7	50-62	Bright Galv-Plus HDG* min. 55 µm A2 A4	1 1-2 1-3 1-3 1-3	AISI 1008 AISI 1008 AISI 1008 Si AISI 304 AISI 316	ASTM A510 ASTM A510 ASTM A510 EN 10088 EN 10088	10,1 10,1 10,3 8,9 8,9	20,7	2200 2200 2100 2600 2600	NPD***	VHT 3.4.2/53	19, 25 20, 25 22, 26 23 24
	Twist	90	7,6/5,3/33	4,7	N/A	Galv-Plus	1-2	AISI 1008	ASTM A510	2,4	8,5	2400	NPD***	ITC****	21
	Jagged	90	7 - 38	4,3	82	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	5	20	3000	NPD	VHT 609-12/3,1	052
3,3	Smooth	100	7,6/5,45/34	5,0	N/A	Bright	1	AISI 1008	ASTM A510	2,4	8,5	4650	NPD***	ITC****	33
	Screw	88		5,0	68	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	6,6	13,1	2800	NPD***	VHT 445-10/ 3,3	30
3,4	Smooth	90-100	7,5/5,4/34 6,5/33	5,1	N/A	Bright Galv-Plus	1 1-2	AISI 1008 AISI 1008	ASTM A510 ASTM A510	2,4 2,4	8,5 8,5	5050	NPD*** NPD***	ITC**** ITC****	33
	Ring	100	7,5/5,4/34		68	Bright Galv-Plus	1 1-2	AISI 1008	ASTM A510	8,8	14,4	4200	NPD***	VHT 3.4.2/54	31
3,8	Smooth	110-130	7,8/47	5,7	N/A	Bright HDG* min. 55 µm	1 1-3	AISI 1008 AISI 1008 Si	ASTM A510	2,4	8,5	6750	NPD***		34
	Ring	110-130	7,8/47	5,7	67	Bright Electrogalv. 12 µm	1 1-2	AISI 1008	ASTM A510	8,6 7,9	16,4	6850 6700	NPD***	VHT 3.4.2/56	32
4,2	Smooth	90-150	8,6/58	6,3	N/A	Bright Electrogalv. 12 µm HDG* min. 55 µm	1 1-2 1-3	AISI 1008 AISI 1008 AISI 1008 Si	ASTM A510	2,4	8,5	8750	NPD***	ITC****	37
	Ring	130-160	8,6/58	6,3	66	Bright HDG*	1 1-3	AISI 1008 AISI 1008 Si	ASTM A510	8,7	15,9	8450	NPD***	VHT 3.4.2/57	36
4,6	Smooth	145-160	9,2/66	6,9	N/A	Bright Galv-Plus HDG* min. 55 µm	1 1-2 1-3	AISI 1008 AISI 1008 AISI 1008 Si	ASTM A510	2,4	8,5	11100	NPD***	ITC****	37
NAIL SCREWS															
2,8	Screw	50-75	7/38	4,2	30-45	Electrogalv.+ HT** A2	1-2 1-3	19MnB4 AISI 304	EN 10269 EN 10088	7,8 8,8	18	4000 2000	NPD***	VHT 3.4.2/49	61

										Withdrawal capacity $F_{ax,Rk}$ [N]	Shear capacity Thin plates (0,9 ≤ t < 2 mm) $F_{v,Rk}$ [N]	Shear capacity Thick plates (2 ≤ t ≤ 4 mm) $F_{v,Rk}$ [N]	Tensile capacity $f_{tens,k}$ [N]	Test report no.	
PPN nails - ETA 09/0273															
3,4	Twist	35	7/38 7,8/47	5,1	23	Electrogalv. + HT**	1-2	19MnB4	EN 10269	428	988		9650	PB-453-10-La PB-727-09-La	40
	Ring	35	7,8/47	5,1	23	Electrogalv. + HT**	1-2	19MnB4	EN 10269	485	1235			453-10/4,0 A4	40
4	Ring	35-60	N/A	6 or 8	25-46	Electrogalv. + HT** Galv-Plus HDG* min. 55 µm A4	1-2 1-2 1-3 1-3	19MnB4 AISI 1008 AISI 1008 Si AISI 316	EN 10269 ASTM A510 ASTM A510 EN 10088	35 mm: 573 40 mm: 1027 50 mm: 1498 60 mm: 1926	35 mm: 1467 40 mm: 1877 50 mm: 2244 60 mm: 2596	35 mm: 1595 40 mm: 2040 50 mm: 2439 60 mm: 2822	Electrogalv. + HT**: 16150 Galv-Plus: 9200 HDG*: 7450 A4: 9600	453-10/3,4 UK Ring 453-10/3,4 UK Twist 453-10/4,0 A2	41 42 42 42

Coating type: 2 (to facilitate insertion), generally on nail lengths ≥ 75 mm, consult Technical Datasheets for exact information

A) Length of ring shank: consult Technical Datasheets for exact information

* HDG = Hotdipped galvanized
** HT = Heat treated
*** NPD = No Performance Determined
***ITC = Initial Type Calculation