



Strojirenský zkušební ústav, s.p.
Engineering Test Institute, Public Enterprise
Hudcova 424/56b, 621 00 Brno, Czech Republic

CERTIFICATE

Number: **E-30-20649-14**

Manufacturer: Hašpl a.s.
Ke Koupališti 172
549 32 Velké Poříčí, Czech Republic

Product,
Type/Model/Specification: Machine nails and convex nails \varnothing 2,9 mm
- D type head
- material: quality steel wire 11 343,
min. tensile strength 700 MPa - machine nails
min. tensile strength 750 MPa - convex nails
- without coating and coating type 1
- length: (50 to 80) mm

Assessment of the performance construction product: see Annex 1 (page 2 of certificate)

Basis of Certificate issuance: Report on assessing the performance construction product
30-10293/2 of 2014-09-11

Harmonized standard: EN 14592:2008+A1:2012, Tab. ZA.1

Strojirenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out an assessment of the performance in accordance with art. 1.4.(b) System 3 Annex V of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation - CPR) as amended, and has determined performance of essential characteristics of the construction product.

This Certificate is not a substitute for relevant document issued by Notified Body.

Brno, 2014-09-12




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Ing. Pavel Šticha
Director for Certification

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Certificate E-30-20649-14, Annex 1

Assessment of the performance construction product

| Product | Characteristic yield moment $M_{y,k}$ [Nmm] | Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²] | | Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²] | Characteristic tensile capacity $f_{tens,k}$ [kN] |
|--|---|---|--------------------|--|---|
| | | across the fibre | along the fibre | | |
| Machine nail ø 2,9 mm | 4 269 | 3,19 ^{*)} | 2,38 ^{*)} | 23,12 | 3,03 |
| Convex nail ø 2,9 mm | 3 914 | 10,90 ^{*)} | 6,18 ^{*)} | 22,75 | 2,87 |
| Characteristic density of wood ρ_k [kg/m ³] | - | 400 | | 400 | - |
| Durability (corrosion protection) | without coating (Service Class 1 acc. to EN 1995-1-1) galvanized, min. 12 μ m (Service Class 2 acc. to EN 1995-1-1) hot dip galvanized, min. 25 μ m (Service Class 3 acc. to EN 1995-1-1) | | | | |

*) galvanized

