

DECLARATION OF PERFORMANCE

No. 009CPR2023-09-14/1

1. Product-type:

Three-dimensional nailing plate

2. Identification:

72201 (4741280722010)	72235 (4741280722355)	72304 (4741280723048)
72202 (4741280722027)	72236 (4741280722362)	72305 (4741280723055)
72203 (4741280722034)	72237 (4741280722379)	72306 (4741280723062)
72204 (4741280722041)	72238 (4741280722386)	72308 (4741280723086)
72205 (4741280722058)	72240 (4741280322401)	72309 (4741280723093)
72206 (4741280722065)	72242 (4741280722423)	72311 (4741280723116)
72207 (4741280722072)	72243 (4741280722430)	72312 (4741280723123)
72208 (4741280722089)	72244 (4741280722447)	72313 (4741280723130)
72209 (4741280722096)	72245 (4741280722454)	72314 (4741280723147)
72210 (4741280722102)	72248 (4741280722485)	72315 (4741280723154)
72211 (4741280722119)	72249 (4741280722492)	72316 (4741280723161)
72212 (4741280722126)	72250 (4741280722508)	72317 (4741280723178)
72213 (4741280722133)	72270 (4741280722706)	72318 (4741280723185)
72214 (4741280722140)	72271 (4741280722713)	72322 (4741280723222)
72215 (4741280722157)	72272 (4741280722720)	72324 (4741280723246)
72218 (4741280722188)	72273 (4741280722737)	72325 (4741280723253)
72219 (4741280722195)	72280 (4741280722805)	72327 (4741280723277)
72220 (4741280722201)	72284 (4741280722843)	72328 (4741280723284)
72221 (4741280722218)	72285 (4741280722850)	72329 (4741280723291)
72222 (4741280722225)	72286 (4741280722867)	72330 (4741280723307)
72223 (4741280722232)	72287 (4741280722874)	72334 (4741280723345)
72225 (4741280722256)	72288 (4741280722881)	75207 (4741280752079)
72226 (4741280722263)	72289 (4741280722898)	75209 (4741280752093)
72227 (4741280722270)	72290 (4741280722904)	75216 (4741280752161)
72228 (4741280722287)	72291 (4741280722911)	75218 (4741280752185)
72231 (4741280722317)	72301 (4741280723017)	75242 (4741280752420)
72232 (4741280722324)	72302 (4741280723024)	75305 (4741280753052)
72233 (4741280722331)	72303 (4741280723031)	75310 (4741280753106)

3. Intended use:

Joist hanger for wood to wood and wood to concrete or steel connections

4. Manufacturer:
Arras Construction Furniture OÜ
 Valli tee 17
 75413, Vaela küla, Kiili vald
 Estonia
5. System of assessment of performance:
System 2+
6. European Assessment Document (EAD):
EAD 130186-00-0603, issued in July 2018

European Technical Assessment:
ETA 11/0478, issued on 11.09.2023

Technical Assessment Body:
ETA Danmark A/S

Notified body:
NB 1336 Inspecta Estonia OÜ
Factory Production Control (FPC): 1336-CPR-0156

7. Declared performances:

Essential characteristics	Performance	European Technical Assessment
Mechanical resistance and stability		
Characteristic load-carrying capacity	See ETA 11/0478 Annex B	EAD 130186-00-0603 / July 2018
Stiffness	NPD*	EAD 130186-00-0603 / July 2018
Ductility in cyclic testing	NPD	EAD 130186-00-0603 / July 2018
Resistance to seismic actions	NPD	EAD 130186-00-0603 / July 2018
Resistance to corrosion and deterioration	Corrosion protection in service class 1 and 2. In accordance with EAD 130186-00-0603 the joist hangers have a zinc coating weight of min Z275. The steel employed is DX 51 D / S250GD + Z (min Z275) according to EN 10346:2015 with a minimum yield strength Re of 290 MPa, a min tensile strength Rm of 360 MPa and a min ultimate strain A80 of 22 %. Corrosion protection in service class 3 In accordance with EAD 130186-00-0603 and Eurocode 5, the joist hangers can also be used in outdoor timber structures, service class 3, when a corrosion protection in accordance with Eurocode 5, table 4.1 (e.g., a Z350 corrosion protection) is applied, or for joist hangers made from stainless steel 1.4301, 1.4307, 1.4401, and 1.4404 according to EN 10088-2 / EN10088-4 and the nails shall be produced from stainless steel.	EAD 130186-00-0603 / July 2018
Safety in case of fire		
Reaction to fire	The angle brackets are made from steel classified as Euroclass A1 in accordance with EN 13501-1 and European Commission Delegated Regulation 2016/364 of 1 July 2015	EAD 130186-00-0603 / July 2018
Resistance to fire	NPD	EAD 130186-00-0603 / July 2018

*NPD= No Performance Determined



ARRAS
CONSTRUCTION FURNITURE

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer by:

Kiili vald, 14.09.2023

A handwritten signature in blue ink that reads "Kristi Voorel".

Kristi Voorel
Quality Manager