

EC DECLARATION OF PERFORMANCE

According to

Construction Products Regulation : (EU) No. 305/2011

DoP No.: W0024

Kwantex Research Inc.

No. 7, Lane 376, Zong-Zeng Rd., Kwanmiao Dist., Tainan City 718012, Taiwan (R.O.C.)

TEL: +886-6-595-6111

FAX: +886-6-595-5661

Declare under our sole responsibility that the product:

Product: KTX Timber Construction Screws

Intended use: For timber structure load.

Order No.: O-N2401323

Product identification and the initial-type testing findings: refer to Annex I

To which this declaration relates is in conformity with

System 3 of (EU) No. 305/2011 and ETA 20/0183

and are issued by

TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p. (TAB of CZECH REPUBLIC)



Place and date: Taiwan, Mar. 7, 2025

Position: General Manager

A handwritten signature in blue ink that reads "Jack Lin".

Signature: Jack Lin

ANNEX I

Product identification and the initial-type testing findings:

KTX Timber Construction Screws

| Product | Length | 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 $f_{tens,k} [kN]$ | Yield Strength [MPa] | Characteristic torsional ratio |
|-------------------------|---|---|---|-----------------------|--|---|----------------------|--------------------------------|
| | | | Perpendicular to the grain | Parallel to the grain | | | | |
| Screw ϕ 6.0 mm | 40-300 mm | 11067 | 15,95 | 12,71 | 26,95 ^{Pan washer} | 13,73 | 1216.5 | 4.04 |
| Screw ϕ 8.0 mm | 40-400 mm | 22958 | 14,10 | 10,54 | 25,67 ^{Pan washer} | 26,46 | 1283.2 | 3.30 |
| Screw ϕ 10.0 mm | 50-400 mm | 33315 | 14,00 | 10,11 | 23,34 ^{Pan washer} | 34,79 | 1231.3 | 4.18 |
| Material | Carbon Steel 10B21 | | | | | | | |
| Bending angle | $> (45/d^{0.7} + 20)$ | | | | | | | |
| Corrosion resistance | zinc, yellow zinc or KTCO C4 Approved Coating 2000HR (service class 2 or 3 acc. to EN 1995-1-1) | | | | | | | |