

Declaration of Performance

DoP



VORMANN
SCHARNIERE · BESCHLÄGE

Nr.: DoP – 013

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1. **Type of product:** Nagelplatte
2. **Purpose of use:** for products made from timber for load-bearing purposes
3. **Manufacturer:** August Vormann GmbH & Co. KG
Heilenbecker Straße 191 – 205
DE-58256 Ennepetal
4. **System of constancy of performance:** 2+
5. **Harmonisierte Norm:** EN 14545:2008
6. **Harmonised standard:** Rotterdam B.V Institute of Technology (KIT), NB-Nr. 2812 has made the first inspection of the factory, the factory production control and also the continuing surveillance, assessment and evaluation under system 2+ and issued: certificate of conformity of the factory production control 2812-CPR-0174
7. **Declared performance:**

Essential characteristics	Performance	EN Norm
Mechanical resistance and stability: Characteristic load-bearing capacities of the plate: - Nail load capacity: - Tensile capacity: - Pressure bearing capacity: - Shear capacity: Displacement modulus of the plate: Ductility of the nail root:	$f_{a,0,0} = 2,97 \text{ N/mm}^2$ $f_{a,90,90} = 1,37 \text{ N/mm}^2$ $k_1 = -0,0079$ $k_2 = 0,0157$ $\alpha_0 = 60,0^\circ$ characteristic wood density $\rho_k = 350 \text{ kg/m}^3$ $f_{t,0} = 171 \text{ N/mm}$; $f_{t,90} = 158 \text{ N/mm}$ $f_{c,0} = 88 \text{ N/mm}$; $f_{c,90} = 99 \text{ N/mm}$ $f_{v,0} = 83 \text{ N/mm}$; $f_{v,90} = 43 \text{ N/mm}$ $\gamma_0 = -11,0^\circ$; $k_v = 1,5$ $k_{ser} = 12,0 \text{ N/mm}^3$ medium wood density $\rho_m = 420 \text{ kg/m}^3$ passed	EN 14545:2008
durability:	S350GD + Z275 Service class 2 after EN 1995-1-1	

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8. Adequate technical documentation: ATD-DoP-013

The performance of the above product corresponds to the declared performance(s). The above-mentioned manufacturer is solely responsible for preparing the declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:



Thomas Vormann
Managing Director

Elsterwerda, 2th July 2024