

## DECLARATION OF PERFORMANCE

Nr DoP-12/0523-D-WC

1. Unique identification code of the product type: **D-WC**
2. Intended use: **The KOELNER three-dimensional nailing plates are intended to be used for connecting the mutually perpendicular, load-bearing, solid timber elements, in side-grain to side grain configurations, in joints for which requirements for mechanical resistance and stability in the sense of the basic work requirement 1 of Regulation (EU) No 305/2011 shall be fulfilled.**
3. Producer: **RAWLPLUG S.A., ul. Kwidzyńska 6, 51-416 Wrocław, Polska**
4. System(s) of assessment and verification of constancy of performance: **System 2+**
5. European Assessment Document: **ETAG 015**
6. European Technical Assessment: **ETA-12/0523; 2018-09-28**  
 Technical Assessment Unit: **Building Research Institute**  
 Notified body or bodies: **1488**  
 Certificate number and type: **[English]: 1488-CPR-0526/Z**
7. Declared performance characteristics:  
**Mechanical resistance and stability (BWR 1)**

| Essential characteristic    | Performance  |
|-----------------------------|--|
| Strength                    | The characteristic load-carrying capacities of joints loaded according to static diagrams shown in Annex B, determined by tests carried out according to ETAG 015, clause 5.1.3, are given in Annex B. The characteristic load-carrying capacities of joints for other load directions shall be calculated on the basis of EN 1995-1-1 (Eurocode 5) or according to national regulations. The design values shall be determined according to EN 1995-1-1 (Eurocode 5). |
| Stiffness                   | NPD  |
| Ductility in cyclic testing | NPD  |

### Safety in case of fire (BWR 2)

| Essential characteristic | Performance  |
|--------------------------|--|
| Reaction to fire         | The three dimensional nailing plates are classified in Class A1 of reaction to fire (non-combustible products) in accordance with EN 13501-1 and European Commission Decision 96/603/EC amended by European Commission Decision 2000/605/EC. |
| Resistance to fire       | NPD  |

### Hygiene, health and environment (BWR 3)

| Essential characteristic   | Performance |
|--|-------------|
| Regarding dangerous substances, there may be requirements (e.g. transposed European legislation and national laws regulations and administrative provisions) applicable to the product falling within the scope of the European Technical assessment in order to meet the provisions of the Regulation (EU) No 305/2011, these requirements need also to be complied with when and where they apply. |             |

### Sustainable use of natural resources. (BWR 7)

| Essential characteristic | Performance |
|--------------------------|-------------|
| NPD                      |             |

The performance of the product identified above is in conformity with the set of declared performance characteristics. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

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Wrocław, 2018-04-13

PEŁNOMOCNIK SYSTEMU  
ZARZĄDZANIA JAKOŚCIĄ  
*Jagła*  
mgr Sławomir Jagła

