

## NATIONAL DECLARATION OF PERFORMANCE

Nr KDWU-2020-1231-1-R-RB

1. [English]: Nazwa handlowa wyrobu budowlanego: **[English]: KDWU-2020-1231-1-R-RB**
2. Construction product type designation: **Expansion anchor R-RB**
3. Intended use: **R-RB steel expansion connectors are intended for fixing statically loaded elements of building structures in substrate made of: - plain concrete, reinforced or unreinforced, non-cracked or cracked, class C20/25 ÷ C50/60 according to PN-EN 206+A1:2016 - in case of R-RBL-H and R-RBL-E connectors, with diameters M6 to M12, - solid ceramic bricks, with a compressive strength of not less than 20 MPa (class not less than 20) and a volume density of not less than 2 kg/dm<sup>3</sup> as per EN 771-1+A1:2015 - in the case of R-RB connectors with M6 to M12 diameters, - solid blocks made from aggregate concrete, lightweight (LAC 5), with a compressive strength of no less than 5 N/mm<sup>2</sup> and a bulk density of no less than 0.8 kg/dm<sup>3</sup>, in accordance with PN-EN 771-3+A1:2015 - in the case of R-RB connectors with diameters M6 to M12, - hollow silicate blocks with a wall thickness of not less than 35 mm, a compressive strength of not less than 15 N/mm<sup>2</sup> (class not less than 15) and a bulk density of not less than 1.4 kg/dm<sup>3</sup>, according to EN 771-2+A1:2015 - for all types of R-RB connectors with diameter M6, - Teriva 4.0/2 concrete ceiling blocks according to the PN-B-19504:2004 standard, with a wall thickness of the element of not less than 25 mm - in the case of R-RB connectors of M6 to M8 diameter, - channel boards made of normal concrete, class C20/25 as per standard PN-EN 206:2014, with an element wall thickness of no less than 50 mm - in the case of R-RB connectors with diameters M6 to M20, - hollow core slabs made from normal concrete of classes C30/37 ÷ C50/60 as per standard PN-EN 206:2014, with an element wall thickness of no less than 23 mm - for R-RB connectors with diameters M6 to M12.**
4. Producer: **RAWLPLUG S.A., ul. Kwidzyńska 6, 51-416 Wrocław, Polska**
5. System(s) of assessment and verification of constancy of performance: **System 1**
6. National technical specification:  
National Technical Assessment: **KOT-2020/1231**  
Technical Assessment Unit:  
Certification body: **020 ITB**  
Issued a report/certificate: **020-UWB-2816/W UWB**
7. Declared performance characteristics:

**[English]: Właściwości użytkowe (BWR )**

<b>[English]: Zasadnicze charakterystyki Właściwości użytkowe Nośności charakterystyczne</b>
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The performance of the product identified above is in conformity with all declared performance characteristics listed in section 7. This National Declaration of Performance is issued in accordance with the Construction Products Act of 16 April 2004 under the sole responsibility of the manufacturer.

Anna Donesz  
Wrocław, 2020-07-29

PEŁNOMOCNIK SYSTEMU  
ZARZĄDZANIA JAKOŚCIĄ  
*Anna Donesz*  
dr inż. Anna Donesz

