



DECLARATION OF PERFORMANCE
no. 20/1/2022/000/04.03.2022
FBD steel pins for transferring shear forces
at spot support points

1 Name and trade name of the construction product:

FBD steel pins for transferring shear forces at spot support points.

2. Designation of the construction product type:

FBD steel pins.

3. Intended use or uses:

FBD steel pins are designed to be used as elements of reinforcement carrying shear forces in reinforced concrete ceiling slabs, reinforced concrete foundation slabs and foundation ceilings, in point support locations, in order to increase break-through load capacity.

4 Manufacturer's name and address and place of manufacture of the product:

FORBUILD SA, ul. Górna 2A, 26-200 Końskie, Poland

5 Name and address of authorised agent, if any:

Not applicable

6. National system used in the assessment and verification of constancy of performance: 1+

7 National technical specification:

7a. Polish Standard applicable to the product:

Not applicable

Name of accredited certification body, accreditation number and national certificate number, or name of accredited laboratory/laboratories and accreditation number:

Not applicable

7b. National Technical Assessment:

National Technical Assessment No. ITB-KOT-2022/2146, revision 1

Technical assessment body/National technical assessment body:

Instytut Techniki Budowlanej; ul. Filtrowa 1, 00-611 Warsaw, Department of Technical Assessment

Name of accredited certification body, accreditation number and certificate number:

Instytut Techniki Budowlanej; ul. Filtrowa 1, 00-611 Warsaw – Certification Department AC 020
National Certificate of Constancy of Performance 020-UWB-2936/W

8 Declared performance characteristics:

Essential characteristics of the construction product for the intended use or uses	Declared performance characteristics	Assessment methods
Yield strength R_e , MPa	≥ 500	PN-EN ISO 6892-1:2016 (sample attachment according to p. D.3.2 EAD 160003-00-0301)
Tensile strength R_m , MPa	≥ 550	
R_m/R_e ratio	≥ 1.05	
Total elongation at maximum tensile strength A_{gt} , %	≥ 2.5	PN - EN 13501-1:2019 European Commission Decision 96/603/EC (as last amended)

9 The performance of the product identified above is in conformity with all declared performance characteristics listed in par. 8. 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.

Końskie, date: 04.03 2022
(place and date of issue)

(signature of Authorised Person)

APPLICABLE TO:

Site: Site

Customer: Client

Goods/Quantity: Goods/Quantity:

Vat invoice/Goods issue document: Vat invoice