



## INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI

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Divize CSI - Centrum stavebního inženýrství

Authorized body Nr. 224



## CERTIFICATION PROTOCOL

Nr. 783502458 / 2022

Product: **SCAFFOLDING FIXING  $\varnothing$  14 mm in combination  
with SCAFFOLDING WELDED EYE  $\varnothing$  12 mm  
Type: SFP 14 + SCF 12**

Manufacturer: **pgb-Polska sp. z o. o.  
Fryderyka Wilhelma Redena 3  
41-807 Zabrze  
Polska**

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Representative of authorized body Nr. 224

## **1. Product description**

### **1.1. Identification and description of the product**

SCAFFOLDING FIXING  $\varnothing$  14 mm together with SCAFFOLDING WELDED EYE  $\varnothing$  12 mm are to be used for fixing scaffolding. It is a product for building industry which consists of a long shaft nylon plug, steel screw with welded eye on one side and a cover cap. All components are traded separately. Products and intended use are specified in the Technical data sheet.

### **1.2. Specification of the intended use in the building**

Nylon plug together with welded eye are to be used for fixing scaffolding.

INSTALLATION:

1. Drilling hole in specified diameter and depth. Drilling depth depends on the plug length. To reach highest possible loads in aircrete and vertically perforated bricks using rotary drilling is necessary.
2. Inserting the nylon plug SFP 14 in the drill hole flush to surface.
3. Screwing-in the welded eye SCF 12. Screwing-in depth is 80 mm.
4. After disassembling the scaffolding use a cap if necessary. Cap prevents the water from getting inside the facade and building construction.

### **1.3. Limitation in using the product**

Not specified. Using product accordingly with manufacturer's recommendations

## **2. Posouzení shody se základními požadavky nařízení vlády 163/2002 Sb. ve znění nařízení vlády 312/2005 Sb. a nařízení vlády 215/2016 Sb.**

### **2. 1 Conformity assessing procedure**

Plastic anchors (plugs) for concrete and masonry assessed on the § 5 Government's Regulation Nr. 163/2002 Sb. modified by Regulation Nr. 312/2005 Sb. and Regulation Nr. 215/2016 Sb. (Appendix 2, Nr. 9.03).

Conformity of the product with basic requirements was assessed. Applied requirements specified in the Regulation are listed in building technical approval STO–AO 224 – 1196/2022, issued by the Institute for testing and certification, a.s., Zlín (authorized body).

### **2. 2 Basic requirements specification**

Assessed quality factors and testing methods are specified in the Table 1.

### **2. 3 Taking of samples**

Samples were taken in accordance with instructions of the Authorized body Nr. 224 and delivered to ITC a. s., Zlín by a representative of the applicant. Samples: SCAFFOLDING FIXING SCF  $\varnothing$ 14 and WELDED EYE SCF  $\varnothing$ 12 mm.

## 2. 4 Place of testing

Assessing of conformity was evaluated in ITC, a. s., Zlín, AO 224 (Authorized body Nr. 224).

## 2. 5 Results of testing

Test results and requirements of respective technical regulations are summarized in the Table 1.

**Table 1: Resulting performance of SFP  $\varnothing$ 14 mm with SCF  $\varnothing$ 12 mm compared with requirements of respective technical regulations**

Property	Unit	Required value	Result value	Uncertainty <sup>1)</sup>
Max. axial tensile capacity Base material: concrete	kN	$\geq 5$	7,10	0,19
Max. shear capacity Base material: concrete	kN	$\geq 2$	3,84	0,25
Max. axial tensile capacity Base mat.: solid brick Mz	kN	$\geq 1,5$	1,89	0,23
Max. shear capacity Base mat.: solid brick Mz	kN	$\geq 0,5$	0,81	0,18
Max. axial tensile capacity Base mat.: aircrete masonry (Porfix)	kN	$\geq 0,8$	1,43	0,11
Max. shear capacity Base mat.: aircrete masonry (Porfix)	kN	$\geq 0,5$	0,67	0,16
Max. axial tensile capacity Base material: vertically perforated brick (Porotherm)	kN	$\geq 1,5$	2,33	0,17
Max. shear capacity Base material: vertically perforated brick (Porotherm)	kN	$\geq 0,5$	1,52	0,17

<sup>1)</sup> Extended uncertainty for coefficient  $k = 2$  which is equal to probability 95 % in case of common dispersion.

## 3. Assessment of production leading system

Inspection of product quality conducted by importer / distributor was assessed by a representative of Institut pro testování a certifikaci, a. s. Zlín – AO 224 (Authorized body Nr. 224) on **22nd March 2022**.

in importer's office address: Korejská 877/14, Ostrava. Results are summarized in Inspection report - Mean of product inspection by importer from the 22nd March 2022.

Specified documents and findings were approved as a sufficient proof that manufacturer of the product follows proper production leading system of the certified product.

#### **4. Summary**

Delivered and assessed samples is conform with basic requirements of the Regulation NV 163. Production leading system corresponds with respective technical documents and ensures that distributed products correspond with technical documentation.

**Product fulfilled requirements for issuing the Certificate by the Authorized body.**

#### **5. Supervision**

Once every 12 months, the proper functioning of the production management system will be monitored. The authorised person shall issue a report on the evaluation of the surveillance, which shall be forwarded to the applicant. The surveillance shall focus in particular on changes from the situation at the initial assessment or at the last surveillance audit and on complaints or claims made against the product.

#### **6. List of documents for issuing the Report of Surveillance**

- Agreement on control activities Nr. 783502458
- Building technical certificate STO-AO 224-1196/2022
- Test report Nr. 783502458-01 issued by ITC Zlín a. s.
- Checklist method of inspection of products by the importer/distributor 783502458
- Technical data sheet
- Manufacturer's quality management system certificate according to PN-EN ISO 9001:2015 č. AC090 100/1640/2411/2018, issued by TÚV NORD Polska Sp. z o. o. on 21st December 2020.