



**INSTYTUT TECHNIKI BUDOWLANEJ**  
PL 00-611 WARSZAWA  
ul. Filtrowa 1  
tel.: (+48 22) 825-04-71  
(+48 22) 825-76-55  
fax: (+48 22) 825-52-86  
[www.itb.pl](http://www.itb.pl)



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## European Technical Assessment

**ETA-20/0548  
of 30/06/2020**

### General Part

**Technical Assessment Body issuing the European Technical Assessment**

Instytut Techniki Budowlanej

**Trade name of the construction product**

ATLAS POSTAR 20

**Product family to which the construction product belongs**

Cement-based floor screeds for internal and external applications

**Manufacturer**

ATLAS Sp. z o.o.  
ul. Św. Teresy 105  
91-222 Łódź, Poland

**Manufacturing plant**

ATLAS Sp. z o.o.  
ul. Św. Teresy 105  
91-222 Łódź, Poland

Wytwórnia Klejów i Zapraw Budowlanych S.A.  
ul. Szczawińska 52A  
95-100 Zgierz, Poland

**This European Technical Assessment contains**

4 pages

**This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of**

European Assessment Document (EAD) 190019-00-0502 "Cement-based floor screeds for internal and external applications"

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## Specific Part

### 1 Technical description of the product

The ATLAS POSTAR 20 is the screed material produced as a dry mix of cement, mineral fillers and additives. The dry mix of ATLAS POSTAR 20 has to be mixed with water in the ratio: 1,75 – 2,75 l / 25 kg (water / dry mix ratio) until homogenous.

The ATLAS POSTAR 20 contains no more than 1,0% (by weight or by volume) of homogeneously distributed organic material.

### 2 Specification of the intended use in accordance with the applicable European Assessment Document (EAD)

The ATLAS POSTAR 20 is intended for internal and external applications.

Layers of screeds made of ATLAS POSTAR 20 may contain an underfloor heating system.

The screed made of ATLAS POSTAR 20 may be used as wearing surface or covered by finishing layer (e.g. ceramic or stone tiles, epoxy screed, fitted carpet, PVC flooring, parquet, floor panels).

The provisions made in this European Technical Assessment are based on an assumed intended working life of the products for the intended use of 25 years, provided that the products are subjected to appropriate use and maintenance. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, but are to be regarded only as a means for choosing the appropriate product in relation to the expected economically reasonable working life of the works.

### 3 Performance of the product and references to the methods used for its assessment

#### 3.1 Performance of the product

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

Table 1

Essential characteristic	Performance of the product	Assessment method
Reaction to fire	A1 <sub>FL</sub>	Decision 96/603/EC amended by the Decision 2000/605/EC

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

Table 2

Essential characteristic	Performance of the product	Assessment method
Water permeability	no performance assessed	EN 13813
Water vapour permeability	no performance assessed	

**3.1.3 Safety and accessibility in use (BWR 4)**

**Table 3**

Essential characteristic	Performance of the product	Assessment method
Compressive strength	C20 ( $\geq 20$ MPa)	EN 13813 specimens filling and compacting method "c" acc. to EN-13892-1, clause 5.3.
Flexural strength	F4 ( $\geq 4$ MPa)	
Wear resistance	A9 ( $\leq 9$ cm <sup>3</sup> / 50 cm <sup>2</sup> )	
Flexural and compressive strength after freeze-thaw cycles, MPa: - compressive strength - flexural strength	$\geq 20$ $\geq 4$	EAD 190019-00-0502 specimens filling and compacting method "c" acc. to EN-13892-1, clause 5.3.
Chemical resistance	no performance assessed	EN 13813

**3.1.4 Protection against noise (BWR 5)**

**Table 4**

Essential characteristic	Performance of the product	Assessment method
Sound insulation	no performance assessed	EN 13813
Sound absorption	no performance assessed	

**3.1.5 Energy economy and heat retention (BWR 6)**

**Table 5**

Essential characteristic	Performance of the product	Assessment method
Thermal resistance	no performance assessed	EN 13813

**4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base**


According to the Decision 97/808/EC amended by the Decision 2006/190/EC of the European Commission the system 4 of assessment and verification of constancy of performance applies (see Annex V to Regulation (EU) No 305/2011).

**5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable European Assessment Document (EAD)**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan which is deposited at Instytut Techniki Budowlanej.

For type testing the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between Instytut Techniki Budowlanej and the notified body.

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Anna Panek, MSc  
Deputy Director of ITB