

**BUtgb** vzw - **UBAtc** asbl



COMPLETION

POLYURETHANE (PU)

**POLYURETHANE**

Valid from 06.03.2024 to 05.03.2029

**Approval holder:**

GÓR-STAL Sp. z o.o.

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A technical approval relates to a favourable assessment of a construction product by a competent, independent and impartial approval operator appointed by the UBAtc for a specific application.

The technical approval records the results of the approval examination. This examination is as follows:

- identification of the relevant properties of the product in relation to the intended application and the method of laying (or implementation),
- the design of the product
- the reliability of production.

Technical approval has a high level of reliability, taking into account the statistical interpretation of inspection results, periodic monitoring, adaptation to the situation and the state of the art, and quality monitoring by the approval holder.

For technical approval to be maintained, the approval holder must provide ongoing proof that he continues to take all necessary steps to ensure that the product's suitability for use is demonstrated. In this respect, monitoring the product's compliance with the technical approval is essential. The UBAtc entrusts this monitoring to a competent, independent and impartial certification operator.

The technical approval and the certification of the product's compliance with the technical approval are independent of the work carried out individually. The contractor and/or architect remain fully responsible for the compliance of the work carried out with the provisions of the specifications.

Unless otherwise specified, the technical approval does not concern site safety, health aspects or the sustainable use of raw materials. Consequently, the UBAtc is in no way liable for damage caused by failure on the part of the approval holder or the contractor(s) and/or architect to comply with the provisions relating to site safety, health aspects and the sustainable use of raw materials.

The certification operators designated by UBAtc asbl operate in accordance with a system that may be accredited by BELAC ([www.belac.be](http://www.belac.be)).

## Approval operators



Buildwise

Kleine Kloosterstraat 23 1932 Zaventem  
info@buildwise.be - www.buildwise.be



SECO Belgium

Registered office: Cantersteen 47 1000 Brussels  
Offices: Hermeslaan 9 1831 Diegem  
mail@seco.be - www.groupseco.be

## Certification operator



BCCA

Registered office: Cantersteen 47 1000 Brussels  
Offices: Hermeslaan 9 1831 Diegem  
mail@bccca.be - www.groupseco.be



## FOREWORD

The document concerns a modification of the approval text ATG H966, valid from 31.05.2021 to 30.05.2026. The changes compared to the previous version are listed below:

Changes compared to the previous version
- Removal of termPIR AGRO AL, WS, BWS, BT and ETX products

Technical approvals are updated regularly. We recommend that you always use the version published on the UBAtc website ([www.butgb-ubatc.be](http://www.butgb-ubatc.be)).

The most recent version of the technical approval can be consulted by scanning the QR code on the top page.

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## NORMATIVE AND OTHER REFERENCES

AGCR-RGAC	30.06.2022	UBA <sup>tc</sup> General Regulations for Approval and Certification
NBN EN 13165 + A2	2016	Thermal insulation products for buildings – Factory made rigid polyurethane (PU) foam products – Specification
NBN EN 13172	2012	Thermal insulation products – Conformity assessment
NBN B 62-002	2008	Thermal performance of buildings – Calculation of heat transmission coefficients (U-values) of building components and elements – Calculation of heat transfer coefficients by transmission (HT value) and by breakdown (H <sub>v</sub> value)
NBN EN ISO 10456+AC	2009	Building materials and products – Hygrothermal properties – Tabulated useful values and procedures for determining declared and useful thermal values

# 1 Product group

**Place of manufacture, factory:** GÖR-STAL Sp. z o.o., ul. Adolfa Mityery 9, 32-700 Bochnia, Poland

**Blowing gas:** pentane

**Covering type:**

Type 1: alu-kraft multi-layer complex.

## 2 Product specification (NBN EN 13165:2012 + A2:2016)

At the request of the holder, the following performances were examined by the approval and certification operator as part of the approval process. Investigations have been carried out in accordance with the product specifications and the application regulations. The manufacturer must take account of the results contained in this ATG H when determining the performance of products used commercially and must adapt them if necessary. In the absence of initiative on the part of the holder in this respect, the UBAtc or the operator may take action.

Product name	Covering type	Tolerance (mm)			Class	Reaction to fire (Euroclass)
		Length	Width	Thickness		
termPIR® AL	1/1	See table 1		$50 \leq d \leq 200$	T 2	E

Table 1: Tolerance

Length	Width	Thickness
-	-	T2
± 5 mm (< 1000 mm)	± 5 mm (< 1000 mm)	± 3 mm (50 mm - 75 mm)
± 7,5 mm (1000 mm - 2000 mm)	± 7,5 mm (1000 mm - 2000 mm)	-3 / +5 mm (> 75 mm)
± 10 mm (2001 mm - 4000 mm)		

Product name	Thickness (mm)	Squareness (mm/m)	Flatness (mm)	Dimensional stability		Compression (kPa)	Flatness after partial immersion (mm)
				DS(70,90) 48 h, 70°C, 90% RH (%)	DS(-20,-) 48 h, -20°C (%)		
termPIR® AL	$50 \leq d \leq 140$		$\leq 5$ ( $\leq 75 \text{ dm}^2$ )	DS(70,90)3	DS(-20,-)2	CS(10\Y)150 $\geq 150$	FW2
	$140 \leq d \leq 200$	$\leq 5$	$\leq 10$ ( $> 75 \text{ dm}^2$ )	$\Delta_{\epsilon i, b} \leq 2$	$\Delta_{\epsilon i, b} \leq 0,5$	CS(10\Y)140 $\geq 140$	$\leq 10$

## 4 $\lambda_D$ and/or $R_D$ values of thermal insulation materials

### 4.1 Purpose

The ATG/H product approval only concerns the declared and certified characteristics of the product, in accordance with the EN standards, without however pronouncing on the suitability for use in specific applications. For the latter, an ATG technical approval sets out the criteria and requirements for use (if available).

### 4.2 Declared $\lambda_D$ and/or $R_D$ values

These  $\lambda_D$  and/or  $R_D$  values are determined statistically on the basis of individual measurements. They are determined with a confidence level of 90/90, in accordance with the harmonised product standard NBN EN 13165 and NBN EN ISO 10456, and certified in accordance with the conformity standard NBN EN 13172; they are declared by the manufacturer.

### 4.3 Installation

For each application, a correction factor must be applied to the heat transfer coefficient of the construction element. The calculation method is described in NBN B 62-002:2008 and is mentioned in the ATG technical approval for the specific application (if available).

Product approval is issued on the basis of:

- the application submitted by the company concerned
- the opinion of the "Completion" specialised group of the Technical Approval Commission formulated on the basis of the report presented by the UBAtc "Insulation Materials" Executive Board
- a favourable opinion on certification

## CONDITIONS FOR USING AND MAINTAINING THE ATG

- A.** This technical approval relates exclusively to the construction products referred to on the top page of this document.
- B.** The approval holder and, where applicable, the distributor may not make any use of the name of the UBAtc, its logo, the ATG mark, the technical approval or the approval number to claim assessments of products which do not comply with the technical approval or for products (and their properties or characteristics) which are not the subject of the technical approval.
- C.** The technical approval has been drawn up on the basis of available technical and scientific knowledge and information, together with information made available by the applicant and supplemented by an approval examination taking into account the specific nature of the product. Nevertheless, users remain responsible for selecting the product, as described in the technical approval, for the specific application intended by the user.
- D.** Only the approval holder and, where applicable, the distributor, may claim the rights inherent in the technical approval.
- E.** References to this technical approval must be accompanied by the identification number ATG H966 and the period of validity.
- F.** The approval holder and, where applicable, the distributor, are obliged to respect the test results set out in the technical approval when making information available to third parties. The UBAtc or the certification operator may take appropriate action if the approval holder [or distributor] fails to do so (sufficiently) on its own initiative.
- G.** Information made available in any way whatsoever by the approval holder, distributor or approved contractor or their representatives to (potential) users of the product dealt with in the technical approval (e.g. clients, contractors, architects, specifiers, designers, etc.) may not be incomplete or contradict the content of the technical approval or the information referred to in the technical approval.
- H.** The UBAtc, the approval operator and the certification operator may not be held liable for any damage or adverse consequences caused to third parties resulting from non-compliance, on the part of the approval holder or distributor, with the provisions of this document.
- I.** The technical approval remains valid, provided that the products, their manufacture and all processes relevant thereto:
  - are maintained so as to achieve at least the test results as defined in this technical approval;
  - are subject to continuous control by the certification operator and that the certification operator confirms that the certification remains valid.

If these conditions are no longer met, the technical approval will be suspended or withdrawn and the approval text removed from the UBAtc website.

- J.** The approval holder is obliged at all times to notify the UBAtc, the approval operator and the certification operator in good time and in advance of any changes to raw materials and products, application guidelines and/or the production and application process and/or equipment. On the basis of the information provided, the UBAtc, the approval operator and the certification operator will assess whether or not it is necessary to adapt the technical approval.

This Technical Approval was published by the UBAtc, under the responsibility of the approval operator, SECO/Buildwise, and on the basis of the favourable opinion of the “ROOFS” Specialist Group, granted on 6 November 2020. In addition, the certification operator, BCCA, has confirmed that the production meets the conditions for certification and that a certification agreement has been concluded with the approval holder.

Publication date: 6 March 2024

For <b>UBAtc</b> , guarantor of the validity of the approval process	<i>[handwritten signature]</i> Eric Winnepenninckx Secretary General	<i>[handwritten signature]</i> Benny De Blaere Director
For the operators		
<b>Buildwise</b>		<i>[handwritten signature]</i> Olivier Vandooren Director
<b>SECO Belgium</b>		<i>[handwritten signature]</i> Bernard Heiderscheidt Director
<b>BCCA</b>		<i>[handwritten signature]</i> Olivier Delbrouck Director



# BUTgb vzw - UBAtc asbl

Belgische Unie voor de technische goedkeuring in de bouw vzw  
Union belge pour l'Agrément technique de la construction asbl

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UBAtc asbl is notified by the FPS Economy under Regulation (EU) No 305/2011.

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