KOMO® CERTIFICATE WITH PRODUCT CERTIFICATE SKGIKOB.014905.01.NL

Issued on: 15 October 2025
Valid until: 15 October 2030

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CERTIFICAAT

Load-bearing interior and exterior walls
Load-bearing wall system with TEC7 FOAMTACK PRO CONSTRUCT PU stone adhesive

Declaration by SKG-IKOB
This KOMO certificate with product certificate is based on BRL 1008 'Load-bearing interior and/or exterior wall systems' dated 01-04-2022, issued in accordance with the current Regulations for Certification, Certification and Inspection of SKG-IKOB.

The quality system and the characteristics of the product system for load-bearing interior and exterior walls are checked periodically. The performance of the above-mentioned system, composed of load-bearing interior and exterior walls, in its application as an internal and external vertical partition construction has been assessed in relation to the Building Environment Decree, and the principles for the assessment are periodically reviewed.

On this basis, SKG-IKOB declares that there is justified confidence that:

- The product system for load-bearing interior and exterior walls supplied by the certificate holder, having been assembled in accordance with the regulations and/or processing methods laid down in this attestation with product certificate, complies with:
  - The technical specification laid down in this attestation with product certificate;
    provided that the packaging/delivery document bears the KOMO® mark in the manner as indicated in this attestation with product certificate.
- The above-mentioned system, assembled as load-bearing interior and exterior walls, delivers the performance specified in this attestation with product certificate when used as an internal and external vertical partition construction;
- With due observance of the above, load-bearing interior and exterior walls used as internal and external vertical partition structures comply with the requirements of the Building Environment Decree included in this attestation with product certificate, provided that:
  - The technical specifications and conditions of use laid down in this attestation with product certificate are complied with;
  - The load-bearing interior and exterior walls are manufactured in accordance with the regulations and/or processing methods specified in this attestation with product certificate.

For SKG-IKOB

H.A.J. van Dartel, Certification Manager

This certificate with product certificate is included on the websites of the KOMO Foundation (www.komo.nl and www.komo-online.nl). Users of this certificate with product certificate are advised to check www.skgikob.nl to see whether this document is still valid. This certificate with product certificate consists of 2 pages.

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PRODUCTEN RvA C 003

The following has been assessed:
-quality system
-product
-one-off performance in the application Periodic inspection

Decree on Buildings in the Living Environment

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1. TECHNICAL SPECIFICATION

This certificate with product certificate relates to:

- the characteristics of the product system "TEC7 FOAMTACK PRO CONSTRUCT stone adhesive for bonding stones or blocks of stone-like material" composed of load-bearing interior and exterior walls, which can be used as an internal and external vertical partition construction;
- the performance of "TEC7 FOAMTACK PRO CONSTRUCT for bonding stones or blocks of stone-like material" as a load-bearing internal and external wall for use as an internal and external vertical partition construction.

TEC7 FOAMTACK PRO CONSTRUCT is an adhesive based on a moisture-curing (1-K) polyurethane. This adhesive has been specially developed for bonding different types of stone, such as masonry bricks, sand-lime bricks and aerated concrete.

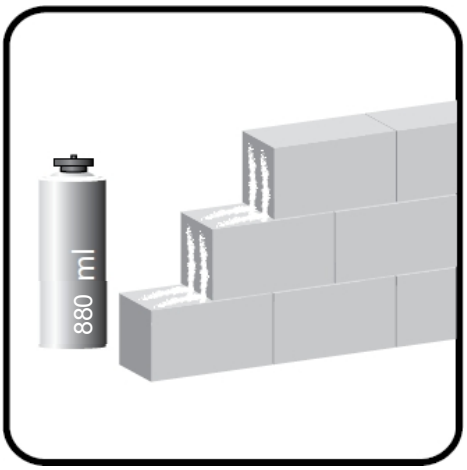

Figure 1: Applying the adhesive

Figure 2: TEC7 FOAMTACK PRO CONSTRUCT, label

2. MARKS AND DESIGNATIONS ON THE PRODUCTS/PACKAGING

The documents relating to the certified products must bear the KOMO® logo or KOMO® word mark followed by the certificate number SKGIKOB.014905.

The packaging must be marked with the KOMO® logo or KOMO® word mark followed by the certificate number SKGIKOB.014905.

The design of the KOMO® logo/KOMO® word mark must comply with the requirements set out in the document published by KOMO document 'Regulations for the use of the KOMO mark by certificate holders', whereby the implementation is as follows:

Resp.:

KOMO®

And is followed by:

- Manufacturer's mark or manufacturer's name
- Production code or production date

3. CHARACTERISTICS OF THE PRODUCT SYSTEM

3.1 CERTIFIED CHARACTERISTICS BASED ON BRL 1008

The sections below list the characteristic properties that form part of this attestation with product certificate. SKG-IKOB has independently determined the values of these characteristics.

3.1.1 STONE ADHESIVE

3.1.1.1 General

TEC7 FOAMTACK PRO CONSTRUCT is a cement grey adhesive based on single-component moisture-curing polyurethane.

3.1.1.2 Identification

TEC7 FOAMTACK PRO CONSTRUCT has the following code:
TEC7 FOAMTACK PRO CONSTRUCT
Store in a cool, dry and frost-free place

3.1.1.3 Appearance

A cement grey-coloured, non-transparent substance, which foams immediately after application and then collapses within seconds into a thin string of foam.

3.1.1.4 Compressive strength

Compressive strength has not been determined. The compressive strength of the bricks is decisive in determining the compressive strength of the masonry. See also 3.2.1.2.3.

3.1.1.5 Other properties

Table 1 – Other properties

Non-stick time (30 mm strand) at +23 °C and 50% relative humidity	Approximately 6 min.
Temperature resistance long term Short term	-40°C to +90 °C up to +130 °C (maximum 1 hour)
Processing temperature Environment Bus	-10 °C to +35 °C +10 °C to +35 °C
Shelf life	Minimum 15 months in original unopened packaging

3.1.2 SPECIFICATION OF THE WALL CONSTRUCTIONS

3.1.2.1 Compressive and flexural strength

3.1.2.1.1 Compressive strength

The compressive strength of masonry constructed with TEC7 FOAMTACK PRO CONSTRUCT is determined by the compressive strength of the bricks or blocks used. This value can be found on the CE marking for the bricks or blocks in question.

The characteristic value of the compressive strength of masonry constructed from bricks or blocks bonded with TEC7 FOAMTACK PRO CONSTRUCT may be determined using the formula

$$f_k = 0.85 \cdot K \cdot f_b^{\alpha}$$

Where:

f_k is the characteristic compressive strength of the adhesive construction in N/mm².

f_b is the normalised average compressive strength of the bricks, in the direction in which the load is applied, in N/mm^2 (see also Table 3 in 4.3.1.1 of this certificate).

K and α are constants according to Table 2.

Table 2: constants K and α

Brick type	Total volume of perforations	K	α
Brick	≤ 55 %	0.7	0.7
sand-lime brick	≤ 25 % ≤ 55 %	0.8 0.65	0.85 0.85
aerated concrete	≤ 25 %	0.8	0.85

3.1.2.1.2 Flexural strength

The flexural strength of masonry constructed with TEC7 FOAMTACK PRO CONSTRUCT depends on the bricks or blocks used and can be found in Table 3.

3.2 BASED ON OTHER BRL CERTIFIED PRODUCTS

The following sections list the characteristic properties of products that are used in the construction system but are not manufactured by Novatech International NV, although they are certified on the basis of another BRL.

3.2.1 STONE-LIKE MATERIALS

3.2.1.1 General

TEC7 FOAMTACK PRO CONSTRUCT can be used in combination with the following stone-like materials (adhesive bricks, Category I):

- Brick: Masonry bricks must meet the requirements set out in BRL 1007, in accordance with NEN-EN 771-1, Tm (with a dimensional tolerance of ± 1 mm) and for geometric properties in accordance with NEN-EN 1996-1-1 art. 3.1.1, groups 1 and 2.
- Sand-lime brick Sand-lime bricks must comply with the requirements set out in BRL 1004, in accordance with NEN-EN 771-2, T2 or Tm (with a dimensional tolerance of ± 1 mm in height) and for geometric properties in accordance with NEN-EN 1996-1-1 art. 3.1.1, group 1.
- Aerated concrete Aerated concrete must meet the requirements set out in BRL 1008, in accordance with NEN-EN 771-4. The density must be at least 200 $^{kg/m^3}$, determined in accordance with NEN-EN 772-13. The compressive strength must be at least 2 N/mm^2, determined in accordance with NEN-EN 772-1. The dimensional tolerances must comply with TLMB in accordance with NEN-EN 771-4 and for geometric properties in accordance with NEN-EN 1996-1-1 art. 3.1.1, group 1. If the material is exposed to unprotected conditions (weather and wind, moisture and/or frost), frost resistance shall be tested in accordance with NEN 2872.

3.2.1.2 Appearance

Appearance in accordance with the supplier's specifications.

3.2.1.3 Compressive strength and density

The compressive strength and density of bricks or blocks can be found in the manufacturer's Declaration of Performance for the CE marking associated with the bricks or blocks in question.

3.2.1.4 Fire class

The (Euro) fire class of the bricks or blocks according to NEN-EN 13501-1 can be found in the manufacturer's Declaration of Performance for the CE marking associated with the bricks or blocks in question.

4. Performance in application

4.1 ENTRY DECISION BUILDINGS LIVING ENVIRONMENT (BBL)

§ certificate	Paragraph Bbl	limit value / determination method	performance	comments regarding application
4.2.1.1	Section 4.2.1 - Structural safety	NEN-EN 1990 NEN-EN 1991-1-1/3/4/5/7 NEN-EN 1996-1-1	For each project, calculations and/or drawings are prepared by or on behalf of the manufacturer. drawings are prepared	See § 4.3.1.1, material dimensions table 1
4.2.1.2	Section 4.2.2 - Structural safety in case of fire	NEN-EN 1992-1-2, NEN-EN 1993-1-2, NEN-EN 1994-1-2, NEN-EN 1995-1-2, NEN-EN 1996-1-2, NEN-EN 1999-1-2, NEN 6069 NEN 8700	To be determined per project by or on behalf of the manufacturer depending on the construction	See § 4.3.1.2 and application examples in Table 2
		Fire resistance with regard to collapse at least 30 minutes	> 60 minutes Determined in accordance with NEN-EN 13501-2	See § 4.3.1.2 and application examples in Table 2
4.2.1.3	Section 4.2.6 - Limitation of the occurrence of a fire hazard	Fire class A1 according to NEN-EN 13501-1	Brick adhesive is not non-combustible	See § 4.3.1.3 For bricks or blocks, see the corresponding CE marking
4.2.1.4	Section 4.2.7 - Limitation of fire and smoke development	Contribution to fire propagation at least fire class D according to NEN-EN 13501-1 Smoke class at least s2 according to NEN-EN 13501-1	Wall construction meets the requirement	See § 4.3.1.4, unfinished
4.2.1.5	Section 4.2.8 - Limitation of fire spread	Fire resistance rating of at least 30 minutes according to NEN 6068	WBDBO > 60 minutes according to NEN-EN 13501-2	See § 4.3.1.5 and application examples
4.2.1.6	Section 4.2.9 - Further limitation of fire spread fire and limiting the spread of smoke	WBDBO at least 30 minutes according to NEN 6068 Resistance to smoke passage Ra or R200 according to NEN 6075	WBDBO > 60 minutes according to NEN-EN 13501-2 Resistance to smoke passage not determined	See § 4.3.1.5 and application examples
4.2.1.7	Section 4.2.11 - Escape routes	WBDBO at least 20 or 30 minutes according to NEN 6068	WBDBO > 60 minutes according to NEN-EN 13501-2	See § 4.3.1.5 and application examples
4.2.1.8	Section 4.2.16 - Burglary resistance	Resistance class 2 determined in accordance with NEN 5096	Burglary resistance not determined	See § 4.3.1.6
4.2.2.1	Section 4.3.1 - Protection against external noise, new construction	Characteristic sound insulation at least 20 dB(A) according to NEN 5077	To be determined by or on behalf of the client for each project, depending on the construction	See § 4.3.2.1
4.2.2.2	Section 4.3.3 - Limitation of reverberation, new construction	Sound absorption determined in accordance with NEN-EN 12354-6	To be determined by or on behalf of the client for each project depending on the construction	See § 4.3.2.2
4.2.2.3	Section 4.3.3 - Sound insulation between rooms,	The characteristic airborne sound level difference and the weighted contact sound level determined in accordance with NEN 5077	To be determined by or on behalf of the client for each project depending on the construction	See § 4.3.2.3
4.2.2.4	Section 4.3.1 - Moisture protection	Watertight in accordance with NEN 2778	Watertightness not determined	To be assessed per project by or on behalf of the client
		Performance check in accordance with Table 3.26; factor of the temperature of the inner surface at least 0.5 or 0.65 according to NEN 2778	To be determined by or on behalf of the client per project, depending on the construction	See § 4.3.1.2.4 and application examples
		Water absorption average ≤ 0.01 kg/(m^2 .s$^{1/2}$) and everywhere ≤ 0.2 kg/(m^2 .s$^{1/2}$) according to NEN 2778	Water absorption not determined	To be assessed per project by or on behalf of the client
4.2.2.5	Protection against rats and mice	No openings wider than 0.01 m	No openings wider than 0.01 m if implementation is in accordance with the processing instructions in this certificate with product certificate	See § 4.3.2.5
4.2.3	Energy efficiency, new buildings	Thermal resistance R_c ≥ 4.7 m^2 ·K/W according to NTA 8800	To be determined by or on behalf of the client for each project, depending on the construction.	See § 4.3.3.1
		Air volume flow (of the total areas and spaces) ≤ 0.2 m³/s according to NEN 2686	Air volume flow not determined	See § 4.3.3.1. To be assessed per project by or on behalf of the client

4.2 TECHNICAL CONSTRUCTION REGULATIONS

This section includes the requirements from the Building Environment Decree (Bbl) that apply to load-bearing interior and exterior walls and that the wall system in which it is used must comply with.

4.2.1 SAFETY

4.2.1.1 Structural safety

That the partition construction manufactured with bricks or blocks in combination with TEC7 FOAMTACK PRO CONSTRUCT, as specified in this attestation with product certificate, complies with the relevant section of the Bbl is determined by means of calculations in accordance with NEN-EN 1996-1-1, taking into account the fundamental and special load combinations specified in NEN-EN 1991-1-1.
For each project, calculations and, if necessary, drawings must be prepared by or on behalf of the client, demonstrating compliance with the aforementioned section of the Bbl.

Examples of application
Calculations in accordance with NEN-EN 1996-1-1 must be based on the material dimensions given in Table 3, which have been determined in accordance with NEN-EN 1052-2.

Table 3: material dimensions for adhesive bonded constructions

	Calcium silicate brick	Aerated concrete	Ceramic blocks (hollow)
Type or declared compressive strength of brick/block	CS 15	G4/500	10 N/mm²
Density of brick/block [kg/m³]	180	500-550	850
Dimensions of bricks/blocks [mm]	298x150x198	600x140x200	500x138x200
Characteristic compressive strength of masonry [N/mm²] *	Depending on the type and variety of brick		
Characteristic flexural strength (perpendicular to) ribbon joint [N/mm²]	0.16	0.23	0.17
Characteristic flexural strength (parallel to) ribbon joint [N/mm²]	0.09	0.32	0.12
Characteristic shear strength [N/mm²]	0.23	0.32	0.08

* the compressive strength of the masonry is at most equal to the compressive strength of the wall structure

4.2.1.2 Structural safety in case of fire

The fact that the partition structures manufactured with bonded sand-lime bricks or elements in combination with TEC7 FOAMTACK PRO CONSTRUCT, as specified in this attestation with product certificate, comply with the aforementioned section of the Bbl has been determined in accordance with NEN 6069. The application examples given below comply with this.

Examples of application
The fire resistance to collapse of load-bearing vertical partition structures made of aerated concrete blocks depends, among other things, on the thickness of the wall, the load, the height of the wall and the connection details.
Table 4 provides an overview of the fire resistance to collapse of load-bearing vertical partition structures made of 175 mm thick solid aerated concrete blocks in combination with TEC7 FOAMTACK PRO CONSTRUCT, with a maximum floor height of 3 m and an evenly distributed load of 0.4 N/mm². The fire test was carried out in accordance with NEN-EN 1365-1. The fire resistance classification was then determined in accordance with NEN-EN 13501-2.

Table 4: Fire resistance to collapse

Aerated concrete without plaster	wall dimensions (h x d)	joint thickness	load	Fire resistance
Aerated concrete: G4/550 199 mm x 599 mm x 175 mm	3000 mm x 175 mm	1 mm	0.4 N/mm²	REI 240

According to the fire resistance classification report (NEN-EN 13501-2), this result is immediately applicable to similar constructions to which one or more of the modifications listed below have been made, provided that the design conditions applied in terms of stiffness and stability of the construction are maintained.
- The wall can be finished with or without plasterwork;
- unlimited increase and decrease in the width of the wall;
- unlimited reduction in wall height of 3 m;
- increase in wall thickness of 175 mm;
- reduction in the uniformly distributed load of 0.4 N/mm².

4.2.1.3 Limitation of the occurrence of a fire hazard

The load-bearing interior and exterior wall system is not suitable for use in boiler rooms where fire class A1 in accordance with NEN-EN 13501-1 is required.

The load-bearing interior and exterior wall system is not suitable for use without additional measures in shafts, ducts or channels where fire class A2 in accordance with NEN-EN 13501-1 is required.

4.2.1.4 Limitation of fire and smoke development (contribution to fire propagation)

The side of the load-bearing interior and exterior wall system that is adjacent to the interior air meets fire class B or D (see Table 4.42 Bbl) and smoke class s2.
The side of the load-bearing interior and exterior wall system that is exposed to the outside air complies with fire class B, C or D (see Table 4.42 Bbl).

Application condition
The limitation of fire and smoke development is partly determined by the finish of the load-bearing interior and exterior walls. The finish used must be assessed by or on behalf of the client in this regard. Joint seals must be applied as specified in the processing instructions.

4.2.1.5 Limitation of fire spread (WBDBO); Further limitation of fire spread and limitation of smoke spread (WBDBO); Design of smoke-free escape routes (WBDBO)

Resistance to fire penetration and fire spread
The resistance to fire spread and fire transfer between rooms and between buildings must be assessed by or on behalf of the client for each project in accordance with the relevant section of the Bbl. Resistance to fire spread and fire transfer must be determined in accordance with NEN 6068, whereby the fire resistance given in Table 4 with regard to the separating function, which is determined in accordance with NEN 6069, may be used.

Examples of application
To determine the fire penetration and fire spread between rooms and between buildings, the fire resistance values given in Table 4 can be used with regard to the separating function of unfinished wall constructions in solid aerated concrete 175 mm thick, up to a floor height of 3.0 m. The fire resistance is determined on the basis of a test in accordance with NEN-EN 1365-1, in accordance with NEN-EN 13501-2.

Smoke resistance
No research has been conducted into whether the load-bearing interior and exterior wall system is suitable for use as a partition structure subject to smoke resistance requirements.

4.2.1.6 Burglary resistance

The client or someone acting on their behalf should check that the burglary resistance meets the Bbl requirements for each project.

4.2.2 HEALTH

4.2.2.1 Protection against outside noise

No research has been conducted into whether the load-bearing interior and exterior wall system is suitable for use as a sound-insulating external partition in residential buildings, childcare facilities, healthcare facilities and educational facilities.

4.2.2.2 Limitation of reverberation

The contribution of the load-bearing interior and exterior wall system to the overall sound absorption of the room has not been investigated.

4.2.2.3 Sound insulation between rooms

Whether a load-bearing interior and exterior wall must meet the requirements for sound insulation between rooms must be assessed for each project by or on behalf of the client.

The contribution of the load-bearing interior and exterior wall system to sound insulation has been determined in accordance with NEN 5077.

When using the specified partition constructions with a minimum thickness of 100 mm, the requirement $_{DnT,A,k}$ ≥ 32 dB is met.

Since the insulation of impact noise is mainly determined by the construction of the floors and only to a very small extent by the connecting walls, it is not possible to include the $_{LnT,A}$ in the assessment. $_{DnT,A,k}$ has not been determined within the framework of this attestation with product certificate. This aspect must be assessed per project by or on behalf of the client.

Table 5 for single-family homes and Table 6 for residential buildings provide examples of walls separating dwellings that, according to NPR 5070, comply with $_{DnT,A,k}$ > 52 dB and $_{LnT,A}$ ≥ 54 dB.

Table 5: Single-family homes

Description	Partition walls			
	Single wall		Anchorless cavity wall	
Wall thickness	300 mm	250 mm	2 x 120 mm	2 x 150 mm
Density	≥1750 kg/m³	≥2200 kg/m³	≥1750 kg/m³	≥1750 kg/m³

Table 6: Residential buildings

Description		Partition walls			
		Single wall		Anchorless cavity wall	
Residential separating floors	≥ 800 kg/m²	300 mm	250 mm	2 x 214 mm	2 x 175 mm
	≥ 500 kg/m² + sprung screed with $_{\Delta Llin}$ ≥ 10 dB	300 mm	250 mm	2 x 214 mm	2 x 175 mm
	≥ 400 kg/m² + sprung screed with $_{\Delta Llin}$ ≥ 13 dB	300 mm	250 mm	2 x 214 mm	2 x 175 mm
	Density	≥1750 kg/m^3	≥2200 kg/m^3	≥1750 kg/m^3	≥2200 kg/m^3

4.2.2.4 Moisture barrier

- **Moisture barrier from outside**

It has not been investigated whether the load-bearing interior and exterior wall system meets the requirements for moisture protection from outside.

- **Temperature factor**

Whether a load-bearing interior and exterior wall must meet the requirements with regard to the temperature factor must be assessed for each project by or on behalf of the client.

Examples of application
The applications and application conditions are set out in NPR 2652.

- **Water absorption**

No research has been conducted into whether the load-bearing interior and exterior wall system meets the requirements with regard to water absorption.

4.2.2.5 Protection against rats and mice

Whether a load-bearing interior and exterior wall must meet the requirements for protection against rats and mice must be assessed for each project by or on behalf of the client.

If the shell is constructed in accordance with the processing instructions for the external partition structure included in this attestation with product certificate, there will be no unclosable openings wider than 0.01 m.

4.2.3 ENERGY EFFICIENCY AND THE ENVIRONMENT

Thermal insulation and air volume flow
No investigation has been conducted into whether the load-bearing interior and exterior wall system meets the requirements for thermal insulation and air volume flow.

4.3 DECISION ON SOIL QUALITY

Stone-like materials that can leach out when exposed to (rain)water and contaminate ground or surface water must limit the leaching of harmful substances.

If the stony materials used in the load-bearing external wall system can come into contact with ground or surface water through (rain)water, these stony materials must comply with the Soil Quality Decree. This must be assessed for each project by or on behalf of the client.

4.4 OTHER PERFORMANCE IN THE APPLICATION

4.4.1 STRENGTH OF THE STRUCTURAL CONSTRUCTION UNDER THE INFLUENCE OF ECCENTRIC LOADS

The load-bearing interior and exterior wall system, including the connections, shall not break or be damaged in a manner that is dangerous to the user under the influence of an eccentric vertical load resulting from the suspension of heavy objects (e.g. wall units, sanitary ware, heating equipment, etc.).

The load-bearing interior and exterior walls must be calculated for an eccentric load of 400 kg.

4.4.2 RESISTANCE OF THE BUILDING STRUCTURE TO IMPACTS

The load-bearing interior and exterior wall system, including the connections, shall not be pierced or damaged in a manner that could endanger the user under the influence of an impact with a soft body of 240 Nm and under the influence of an impact with a hard body of 10 Nm.

Explanation
In view of the results obtained from the flexural strength test, it can be assumed that the walls as specified in this attestation with product certificate, up to a wall height of 3 m, are resistant to impact loads as described in the assessment guideline.

4.4.3 CHANGES IN SHAPE

As a result of various mechanical and hygrothermal influences and normal use, the load-bearing interior and exterior wall system, including the connections, shall not suffer any damage or undergo any changes in shape that are detrimental to its appearance, habitability and any finishes such as wallpaper, paint, etc.

Explanation
In view of the results obtained from the flexural strength test, it may be assumed that the walls specified in this certificate-with-product certificate, constructed as described in chapter 3 and in accordance with the processing instructions, will not deflect more than 0.002 times the height of the wall, with a maximum of 5 mm, under the influence of an eccentric vertical load of 200 kg.
Under the influence of an impact load of 120 Nm, the temporary deflection of the wall will not exceed 20 mm.
As a result of an evenly distributed load of 230 N/m², the deflection does not exceed 0.002 times the height of the wall, with a maximum of 5 mm.

4.4.4 APPEARANCE AND FLATNESS

Load-bearing interior and exterior walls that are expected to be flat must have a regular surface without visible defects. When illuminated by raking light, the wall must appear reasonably flat. This means, in particular, that the elements themselves must be flat and, in principle, free of cracks, but that crackle cracks in the joints between the elements and a certain lack of flatness of the elements as a whole are acceptable, provided that these joints are accentuated (e.g. by a recessed joint or by incision) or concealed (e.g. by joint covering).

4.4.5 PROVISIONS FOR FINISHING AND FINISHING

The load-bearing interior and exterior wall system must allow for:
- the application of standard finishes such as wallpaper and paint, unless the wall already has a suitable and durable finish. Where necessary, the certificate with product certificate must indicate the precautions to be taken and the possibilities for applying tiles;
- the installation of standard or special fixtures for hanging light objects (paintings, light household appliances, etc.); this requirement is deemed to be met by fixtures that can withstand a force of 0.1 kN parallel to the wall and a pull-out force of 0.25 kN;
- the installation of standard or special means for hanging heavy objects (wall units, sanitary ware, heating equipment, etc.);
- the installation of electrical wiring in the wall;
- the installation of water, heating and gas pipes.

4.4.6 SUSTAINABILITY

4.4.6.1 Maintaining performance

Taking into account normal maintenance and normal conditions of use, the load-bearing interior and exterior wall system, including its connections and fixings, must comply with the requirements set out in BRL 1008 for a period of approximately 50 years. If the preservation of properties for one or more applications depends on additional provisions (e.g. finishes), these must have the same service life; an exception can only be made in cases where a reduction in the quality of the load-bearing wall construction is easily noticeable and where, in addition, the preservation of the properties of the additional provisions is part of normal maintenance.

4.4.6.2 Resistance to impact

The load-bearing inner and outer wall system, including the connections, must not show any damage that is difficult to repair as a result of shocks caused by normal use.
It has been established that the load-bearing inner and outer wall system can withstand the following impact loads without sustaining damage that is difficult to repair:
- a series of 10 impacts with a soft body with an energy of 60 Nm.
- one impact with a hard object with an energy of 10 Nm.
- an impact with a hard object with an energy of 2.5 Nm.

4.4.6.3 Resistance to frost

No specific requirements are imposed on adhesives for masonry with regard to frost resistance. PU is a frost-resistant product. There are no known problems with the use of PU stone adhesive for load-bearing masonry as a result of frost.

4.4.6.4 Maintenance and repair

Insofar as the user of the building is not familiar with the maintenance of the load-bearing interior and exterior wall system based on experience with traditional materials and products, section 4.5.6.1 of this attestation with product certificate provides a general indication of the maintenance to be expected.

5. PROCESSING INSTRUCTIONS

5.1 GENERAL

Unless otherwise specified, processing shall be carried out in accordance with the processing instructions of the manufacturer of the relevant masonry blocks/bricks and the implementation guideline BRL 2826-02 concerning adhesive constructions.

5.2 LIFTING, STORAGE AND TRANSPORT

Can be stored for at least 15 months in its original sealed packaging in a dry and cool place, between +5°C and +30°C. Always store the

cans upright.

During transport, secure the cans firmly in the boot, never on the back seat.

With regard to the transport and storage of stone-like materials, please refer to the processing instructions of the manufacturer or supplier.

5.3 INSTALLATION

5.3.1 ADHESIVE BOND

The wall construction is realised by processing adhesive bricks/blocks in a bond pattern. The adhesive bond must be executed in accordance with NEN-EN 1996-1-1 paragraph 8.1.4.1.

5.3.2 KIM CONSTRUCTION

The constructor must specify which bed mortar should be used. When bonding walls, a bed construction must first be made. This is to obtain a flat surface. For this purpose, bed blocks are placed in bed mortar. The strength of the bedding mortar must be tailored to the load-bearing capacity of the wall. The maximum mortar compressive strength (fm) of the bedding mortar depends on the bricks (or blocks) to be used.

5.3.3 STRUCTURAL VERTICAL CONNECTIONS

Connections to walls with a structural function must always be carried out in accordance with the specifications of the chief structural engineer.

5.3.4 SUPPORTS

The support of the floor on the load-bearing wall must always be carried out in accordance with the specifications of the chief structural engineer.

5.3.5 GLUING

Work along a masonry cord so that you can always work in a straight line and perpendicular. Dust the top and bottom edges of the bricks. Then, just before applying the adhesive, lightly moisten the brick surface with a plant sprayer to promote adhesion.

Apply one or two strips of adhesive, depending on the thickness of the brick (one strip if the brick is less than 130 mm thick and two strips if the brick is more than 130 mm thick), with a diameter of approximately 2–3 cm (5–6 cm for hollow bricks) to the top of the bricks that have already been laid.

Place a brick immediately in the adhesive and then apply adhesive to the free side of the brick you have just placed. Continue in this

way to complete the layer. Always check the fit and flatness after each layer, sanding or planing the bricks if necessary until the layer

is completely flat.
When stacking and gluing the bricks, it is not necessary to allow the applied adhesive to rest.
With TEC7 FOAMTACK PRO CONSTRUCT, the bricks must be stacked within 3-6 minutes (depending on the ambient temperature and humidity) after applying the adhesive.
If a brick is removed from the adhesive layer during bonding, new adhesive must be applied before the brick is replaced.
With TEC7 FOAMTACK PRO CONSTRUCT, the adhesive hardens after approx. 1 hour and the wall can be further finished (grouting, plastering, painting, etc.).

5.4 FINISHING AND REPAIRS

Finishing of load-bearing interior and exterior wall structures in accordance with the manufacturer's instructions for stone adhesive blocks; see section 3.2.1.

5.5 EXPANSION JOINTS

The structural grid is leading in the expansion plan. Walls must be expanded in accordance with the expansion guidelines of the chief structural engineer.

6. MAINTENANCE INSTRUCTIONS

No specific maintenance instructions apply.

7. NOTES FOR THE CUSTOMER

Upon delivery of:

Inspect the products listed in the technical specification to ensure that:
- the delivery corresponds to the agreement;
- the brand and method of marking are correct;
- the products do not show any defects resulting from transport or similar circumstances, insofar as these adversely affect their usability;

The products mentioned in the processing instructions:
- check by means of inspection whether they comply with the specifications as included in this certificate with product certificate;
- insofar as these products have been delivered under a KOMO certificate with product certificate, check whether the brand and method of branding are correct and that the products do not show any defects as a result of transport and suchlike, insofar as these adversely affect their applicability.

If rejection is decided on the basis of the above, please contact:

- Novatech International NV,

and, if necessary, with

- SKG-IKOB

Storage, transport and processing must be carried out in accordance with the processing instructions included in this certificate with product certificate.

Observe the conditions of use included in this attestation with product certificate.

If a European harmonised technical specification applies to a construction product, the statements in this KOMO certificate with product certificate may not be used to replace the CE marking on that construction product and/or to replace the accompanying mandatory declaration of performance.