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Technical and Test Institute for Construction Prague

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Prosecká 811/76a, 190 00 Praha 9 - Prosek, Czech Republic

Certification Body

Branch 0500 – Předměřice nad Labem

# SUPERVISION REPORT

for certified product

No. 050 - 017042

Name of product:

Glass fibres mesh

R 117 A 101, R 131 A 101

Applicant:

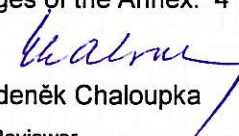
**SAINT-GOBAIN VERTEX, s.r.o.**

ID No.:	00012661
Address:	Sokolovská 106, 570 21 Litomyšl
Manufacturer:	SAINT-GOBAIN VERTEX, s.r.o.
Address:	Sokolovská 106, 570 21 Litomyšl
Plant:	VERTEX FABRICS, s.r.o.
Address:	Sokolovská 106, 570 21 Litomyšl
Job:	Z050070018

Certificate number: 050 - 015664

Number of pages of the Report, including cover sheet: 5  
Person responsible for the contents of the Report:

Number of pages of the Annex: 4


  
Ing. Zdeněk Chaloupka  
Head Reviewer

Person responsible for the accuracy of the Report:

Seal of the Certification Body



Předměřice nad Labem, 25 September 2008

  
Ing. Vladislav Kadleček, CSc.  
Deputy Manager of the Certification Body

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## 1. General data

### 1.1. Applicant's details:

SAINT-GOBAIN VERTEX, s.r.o.

Sokolovská 106

570 21 Litomyšl

ID No.: 00012661

### 1.2. Product information:

**Product:** Glass fibres mesh R 117 A 101, R 131 A 101

**Manufacturer:** SAINT-GOBAIN VERTEX, s.r.o.

Sokolovská 106

570 21 Litomyšl

**Plant:** VERTEX FABRICS, s.r.o.

Sokolovská 106

570 21 Litomyšl

#### **Description and use:**

Glass fibres mesh is fabrics manufactured from fibreglass yarns made from "E" glass (alkaline-free aluminium-borate-silicate glass). The surface density of the grey cloth corresponds to the figure after letter R in the name of the product. Designation A 101 specifies the type of treatment of the fabric. The products are designed, for example, for external thermal insulation systems.

### 1.3. List of source materials, technical specifications and technical regulations used:

#### **Technical documentation:**

- PN 0326 – Glass fibres mesh, Saint-Gobain Vertex, a.s. Litomyšl in-house standard,

Product technical data sheet No. 8: Glass fibres mesh R 117 A 101, valid from 14/03/2007

Product technical data sheet No. 11: Glass fibres mesh R 131 A 101, valid from 14/03/2007

#### **Description of the production management system:**

The manufacturer has developed its own production management system.

### 1.4. Technical specifications, technical regulations relating to product certification:

- ETAG 004 – GUIDELINE FOR EUROPEAN TECHNICAL APPROVAL of EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS WITH RENDERING (Edition March 2000), Art. 5.6., 6.6., Annex C 6 (6.1., 6.2., 6.3., 6.4)

- TPZ 2001-2 External contact thermal insulation systems, criteria for quality classes, specification and requirements, Table 6

- PN 0326 – Glass fibre mesh, Saint-Gobain Vertex, a.s. Litomyšl in-house standard,

Product technical data sheet No. 8: Glass fibres mesh R 117 A 101, valid from 14/03/2007

Product technical data sheet No. 11: Glass fibres mesh R 131 A 101, valid from 14/03/2007

### 1.5. Information regarding previous supervision:

This is the 1<sup>st</sup> supervision of the certified product.

## 2. Course of supervision:

2.1. Date of execution: 31/07/2008

2.2. Conducted by:



Head Reviewer: Ing. Zdeněk Chaloupka

### 2.3. Method and scope

The following product properties were assessed:

- mesh size (aperture),
- surface density of treated fabric,
- tensile strength in the longitudinal and transversal directions with standard placement and placement in alkaline solution
- elongation at break in the longitudinal and transversal directions with standard placement and placement in alkaline solution

The tests were conducted from 05/08/2008 to 25/09/2008.

### 2.4. Sampling

The samples were taken on 31/07/2008 by Ing. Vladislav Kadleček, CSc., employee of TZÚS Předměřice nad Labem.

### 2.5. Product testing results

The product testing results are specified in Report 050-017041, issued by the testing laboratory of TZÚS Praha s.p. Předměřice nad Labem on 25/09/2008 (see Annex).

### 2.6. Results of the supervision of the production management system

The manufacturer has developed a production management system (see clause 1.3).

## 3. Evaluation of the results of supervision:

### 3.1. Evaluation of the product testing results:

The certified products specified in clause 1.2 meet the requirements for the technical specifications contained in clause 1.3. The results of the assessment are summarized in the table below:

#### Glass fibres mesh R 117 A 101:

Monitored characteristic	Test report	Test procedure	Test results	Required (R)/ declared (D) level	Evaluation
Mesh size aperture (in mm) in the direction of the - warp - weft	050-017041	TPZ 2001-2	3.8 4.4	(R)  min. 3.0 min. 3.0	Compliant
Surface density of treated fabric (g.m <sup>-2</sup> )	050-017041	Technical data sheet	149.6	(D) min. 145	Compliant
Content of combustible matter (%)	050-017041	Technical data sheet	19.1	(D) 20 ± 3	Compliant
Tensile strength in the direction of the warp - with standard placement - with alkaline	050-017041	ETAG 004 TPZ 2001-2	41.8  29.0 ETAG	(R) - min. 40, lowest individual value 36 - min. 20 y 50% strength before alkaline placement	Compliant



placement (N/mm)					
Tensile strength in the direction of the weft - with standard placement - with alkaline placement (N/mm)	050-017041	ETAG 004 TPZ 2001-2	42.6  29.6 ETAG	(R) - min. 40, lowest individual value 36 - min. 20 y 50% strength before alkaline placement	Compliant
Elongation in the direction of warp $\epsilon$ (%)	050-017041	Technical data sheet	3.4	(D) max. 3.8	Compliant
Elongation in the direction of weft $\epsilon$ (%)	050-017041	Technical data sheet	3.6	(D) max. 3.8	Compliant

**Glass fibres mesh R 131 A 101:**

Monitored characteristic	Test report	Test procedure	Test results	Required (R)/ declared (D) level	Evaluation
Mesh size aperture (in mm) in the direction of the - warp - weft	050-017041	TPZ 2001-2	3.6 3.8	(R) min. 3.0 min. 3.0	Compliant
Surface density of treated fabric (g.m <sup>-2</sup> )	050-017041	Technical data sheet	162.7	(D) min. 160	Compliant
Content of combustible matter (%)	050-017041	Technical data sheet	19.0	(D) 20 ± 3	Compliant
Tensile strength in the direction of the warp - with standard placement - with alkaline placement (N/mm)	050-017041	ETAG 004 TPZ 2001-2	44.8  30.6 ETAG	(R) - min. 40, lowest individual value 36 - min. 20 y 50% strength before alkaline placement	Compliant
Tensile strength in the direction of the weft - with standard placement - with alkaline	050-017041	ETAG 004 TPZ 2001-2	44.8  30.2 ETAG	(R) - min. 40, lowest individual value 36 - min. 20 y 50% strength before alkaline placement	Compliant



placement (N/mm)					
Elongation in the direction of warp $\epsilon$ (%)	050-017041	Technical data sheet	3.6	(D) max. 3.8	Compliant
Elongation in the direction of weft $\epsilon$ (%)	050-017041	Technical data sheet	3.6	(D) max. 3.8	Compliant

### 3.2. Evaluation of the supervision of the production management system

The evaluation of the supervision of the production management system is specified in clause 2.6.

### 3.3. Evaluation of the adherence to other conditions for certificate validity

None were specified.

## 4. Conclusion

4.1. While conducting the product supervision it was ascertained that the products tested meet the requirements for the technical specifications contained in clause 1.3.

4.2. The production management system ensures that the products placed on the market are compliant with the technical specifications.

## 5. Annex

Report 050-017041, issued by the testing laboratory of TZÚS Praha s.p. Předměřice nad Labem on 25/09/2008.

