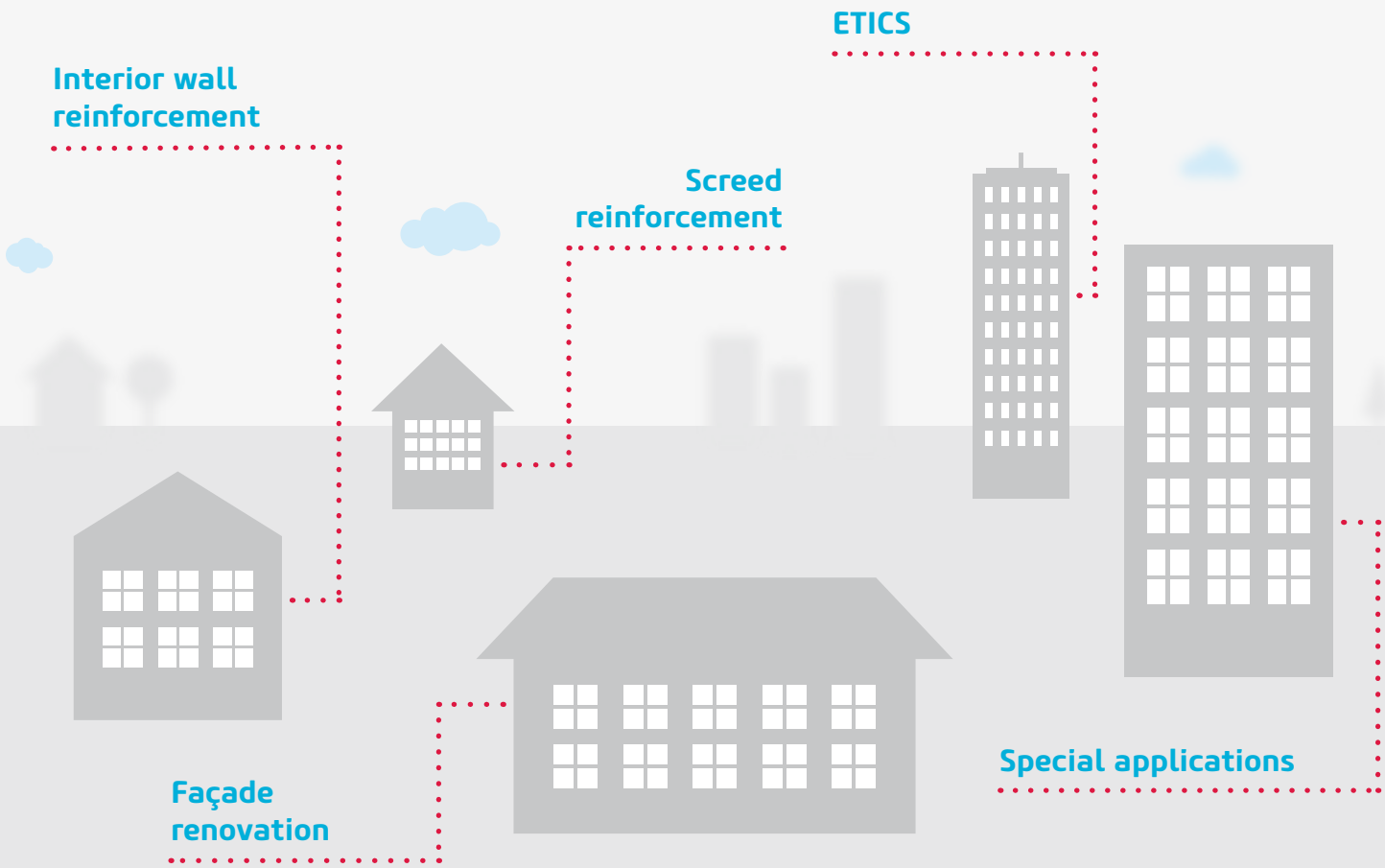
VERTEX®

Glass fibre mesh fabrics



Your Partner for Innovative Textiles

ADFORS
SAINT-GOBAIN

ADFORS
SAINT-GOBAIN

Vertex®

Traditional meshes and grids from the Czech Republic

About ADFORS

Your Innovative Partner for Technical Textiles

Focused on the construction and industrial markets, ADFORS offers solutions based on a complete range of textile and coating technologies using fiberglass yarns, synthetic fibers, and natural fibers. ADFORS is a reliable and innovative global leader in technical textiles, offering the most adapted solutions to meet your needs.

ADFORS belongs to the Saint-Gobain group, the world's largest provider of materials and construction technologies. Saint-Gobain has been creating and delivering innovative and high performance solutions to enhance habitat and daily life for over 350 years.

Mesh fabrics are produced in the ADFORS plant of Litomysl, Czech Republic. This plant was originally part of the company Vertex, founded in 1950. Vertex joined the Saint-Gobain group in1997. The plant is certified with ISO 9001 and ISO 14001.

About ADFORS Vertex® brand

Brand of professionals over the last 20 years

A range of fabrics was designed to serve perfectly wide variety of applications with respect to the needs of local markets and habits of installers.

ADFORS Vertex® range includes reinforcement solutions for:

— External Thermal Insulating Composite Systems
— Façades and internal walls
— Screeds (Flooring applications)

ADFORS Vertex®:

— trusted brand of professionals over the last 20 years
— meets the quality requirements of the main European laboratories (e. g. CSTB, DiBT, TZUS)
— CE certified since 2013 according to ETA-13/0392
— produced in the ADFORS plant of Litomysl, Czech Republic

Products sold under the ADFORS Vertex® brand are equipped with high quality packaging to protect the product, inform the installers and support the distributors. Promotional tools are available and ready to support you on points of sale.

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Vertex®

R 131 A101

3,5 × 3,8 mm

160 g/m²

< 8,2 MJ/kg

Applications

— ETICS
— Façade reinforcement

Fabric Versions Available

— R 131 A101 C+, CSTB TRaME: 3/1/2/2
— R 131 A102 C+, CSTB TRaME: 3/2/2/3
— R 131 A101N (Non-flammable), Combustion heat 2,05 MJ/kg

Dimensional characteristics

Square dimension warp/weft (mm)	3,5	3,8
Treated fabric weight (g/m²)	160	
Loom state fabric weight (g/m²)	131	
Treated fabric thickness (mm)	0,52	
Standard roll width/lenght (m)	1 or 1,1	50
Standard pallet no. of rolls	33	

Chemical characteristics

Glass	E
Coating	alkali resistant
Combustion heat (MJ/kg)	8,17

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2300	2400
Elongation in standard conditions warp/weft (%)	3,8	3,8
Tensile strength after 28 days ETAG test warp/weft (%)	70	65

BESTSELLER

Options Available

— Color adjustment: yes
— Fabric softness: A, B, C, D, E, F
— Logo print: yes
— Width: 10 cm – 300 cm
— Length: 10 cm – 2 000 cm

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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Key features of ADFORS Vertex® fiberglass mesh

1 Name codification

R 131 A101

- R — Mesh
- 131 — Loom state fabric weight
- A101 — Type of coating

2 Fiber type

Fibers made from E-glass, the most suitable type of glass with respect to:

1) Standard applications in construction (ETICS, fasade and interior reinforcement)
2) Fabric stability and durability

3 Coating types

Coating = alkali resistance layer to protect mesh during drying of render

A101 – Alkali resistance coating
A102 – Super alkali resistance coating
A105 – Marble coating
A101N – Non-flammable coating

4 What we can offer you and how we can differentiate the product.

a Softness scale

All coatings are available in various softnesses (A, B, C, D, E, F, G, R).

b Can we print your logo?

c Product dimensions variability

5 Mesh size

Various mesh sizes for any kind of reinforcement.

Small particle size — Big particle size

6 Treated fabric weight

An important parameter for some countries that prescribe minimum weight for usage in ETICS (e.g. German DiBT 150 g/m^2).

7 Combustion heat

Heat released while burning, an important parameter for ETICS certification.

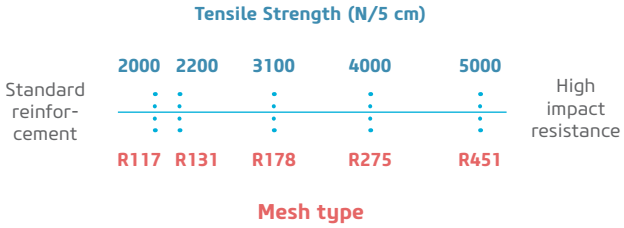
8 Available versions of the fabric construction

Do you need some variations? Take a look at all our offers for you.

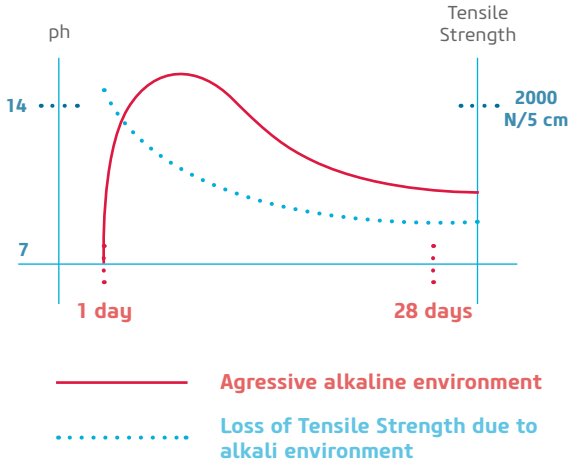
9 Strength

High tensile strength and low elongation for crack prevention.

Initial Tensile Strength = strength before application into render
– the ideal value for ETICS system – 2000 N/5 cm

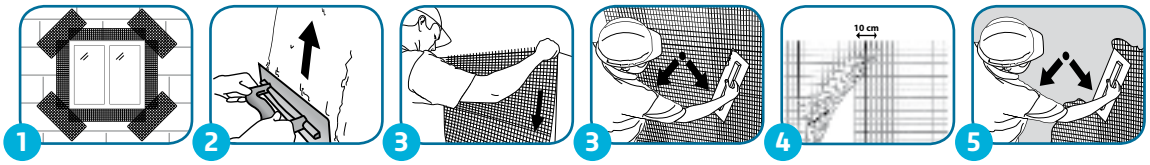


Final Tensile Strength = final strength when render is cured
– For ETIC system this parameter shouldn't be less than 1000 N/5 cm and the drop of the value shouldn't be more than 50%.



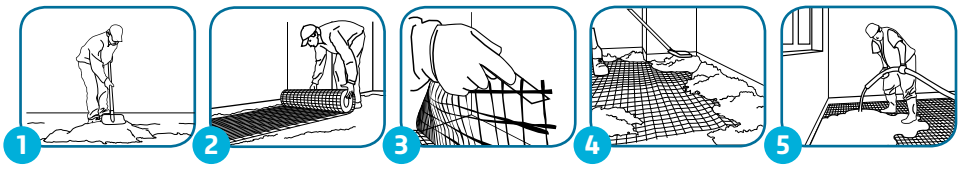
How to apply

ADFORS Vertex® Mesh



1. Firstly, corner and window profiles should be correctly applied on the prepared surface. Then install the 30 × 50 cm mesh strips diagonally to avoid cracking.
2. Apply the first layer of base coat over the entire surface.
3. Apply the mesh from the top to the bottom of the wall by pressing it into the first layer of the base coat (starting from the centre then out to the side).
4. The overlap between the two mesh strips should be a minimum of 10 cm to ensure continuity of reinforcement.
5. Apply the rest of the base coat keeping the mesh in the upper third.

ADFORS Vertex® Grid



Installation in a traditional screed

1. Lay the first base layer of mortar evenly.
2. Unroll and apply ADFORS Vertex® Grid directly onto the mortar.

   Beware: Overlap between the two grid strips should be a minimum of 10 cm. This ensures continuity of the reinforcement.
3. Cut the grid with a sharp knife or scissors.
4. Apply a 2nd layer of mortar to cover the grid (Grid must be positionned 1/3 from the bottom.)

Installation in a liquid screed

2. Unroll and apply ADFORS Vertex® Grid directly onto the floor.

   Beware: Overlap between the two grid strips should be a minimum of 10 cm. This ensures continuity of the reinforcement.
3. Cut the grid with a sharp knife or scissors.
5. Apply the liquid mortar as defined by producer. ADFORS Vertex® Grid will automatically position itself into the screed.

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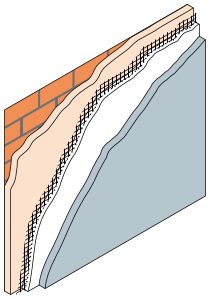
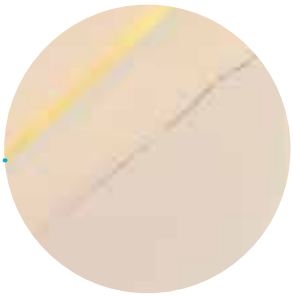
Interior Wall Reinforcement

Interior Wall



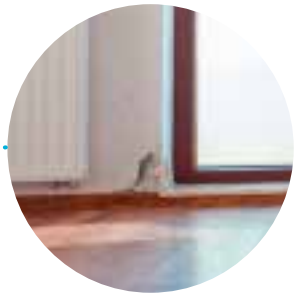
It is very important for the investors to have interior walls nicely smooth without any cracks. To prevent claims and improve durability of a nice finish of the walls, ADFORS Vertex® fiberglass mesh fabrics are used and widely recommended by the plaster producers.

ADFORS Vertex® mesh fabrics prevent cracking caused by



1. house settling – movements in the first years (corners between a ceiling and a wall)

2. heavy stress that affects some wall parts (window areas and partitions)



3. plaster drying that may cause the spider web cracks

4. substrate imperfections when a thin plaster is used

ADFORS SAINT-GOBAIN

Vertex®

S 46 A101

50 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Treated fabric weight (g/m²)	50	
Loom state fabric weight (g/m²)	46	
Treated fabric thickness (mm)	0,14	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	90	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	850	400

Options Available

— Color adjustment: usually only white
— Fabric softness: C, E
— Logo print: usually no
— Width: 30 cm – 200 cm
— Length: 10 m – 3 000 cm

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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R 52 A101

4,8 × 5,1 mm

60 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	4,8	5,1
Treated fabric weight (g/m²)	60	
Loom state fabric weight (g/m²)	52	
Treated fabric thickness (mm)	0,34	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	70	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1000	900
Elongation in standard conditions warp/weft (%)	4	4

Options Available

— Color adjustment: yes
— Fabric softness: C, E
— Logo print: usually no
— Width: 10 cm – 100 cm
— Length: 10 m – 1 000 m

000 662 667

Other options than mentioned to be checked with a product manager.

Quality Inspection

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Packing

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Storing

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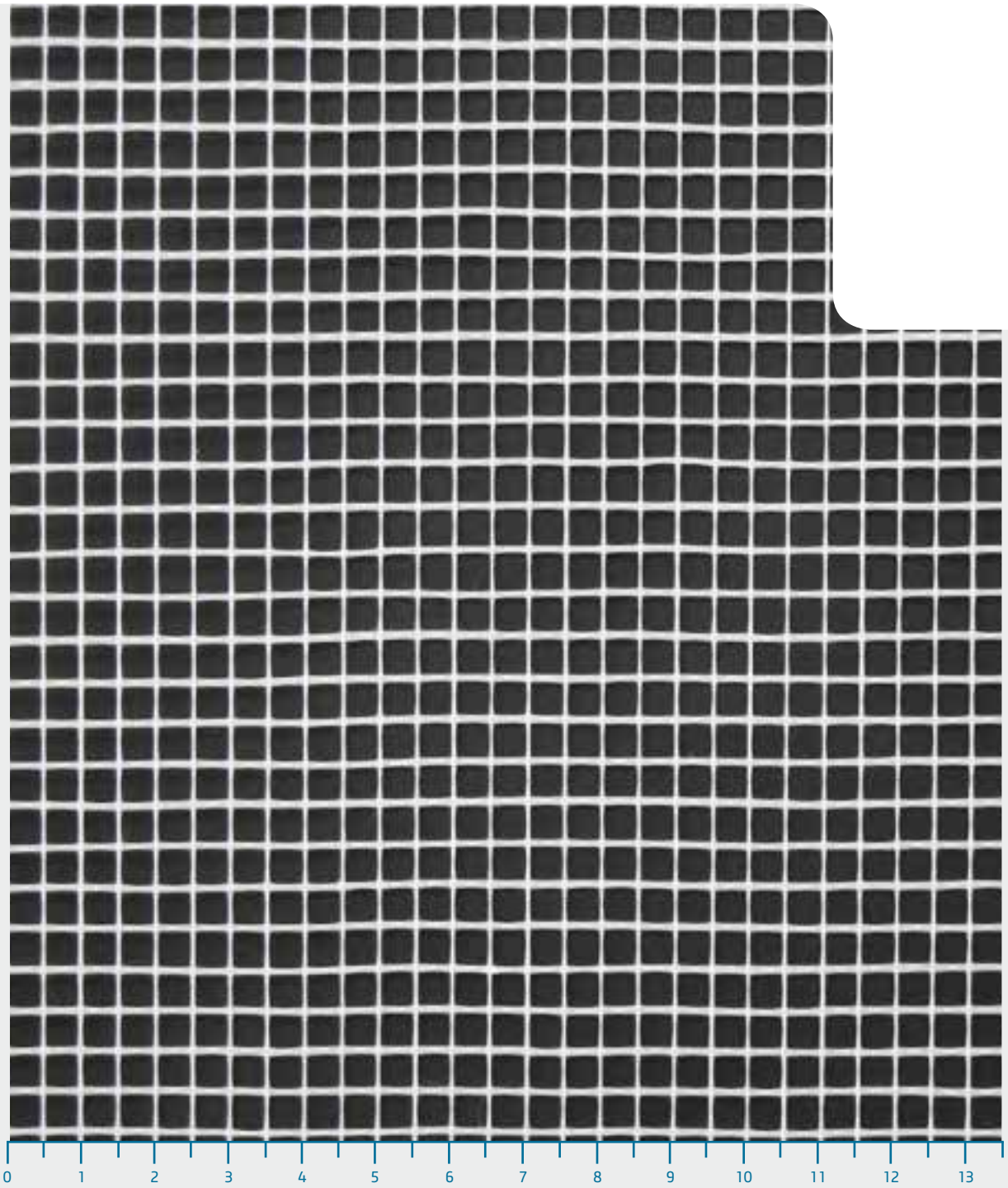

ADFORS SAINT-GOBAIN

Vertex®

R 56 A101

2,2 × 2,2 mm

70 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	2,2	2,2
Treated fabric weight (g/m²)	70	
Loom state fabric weight (g/m²)	56	
Treated fabric thickness (mm)	0,2	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	60	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1000	1200
Elongation in standard conditions warp/weft (%)	4,5	4,5

Options Available

— Color adjustment: yes
— Fabric softness: B, C, D
— Logo print: usually no
— Width: 10 cm – 100 cm
— Length: 50 m – 1 000 m

000 773

Other options than mentioned to be checked with a product manager.

Quality Inspection

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Packing

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Storing

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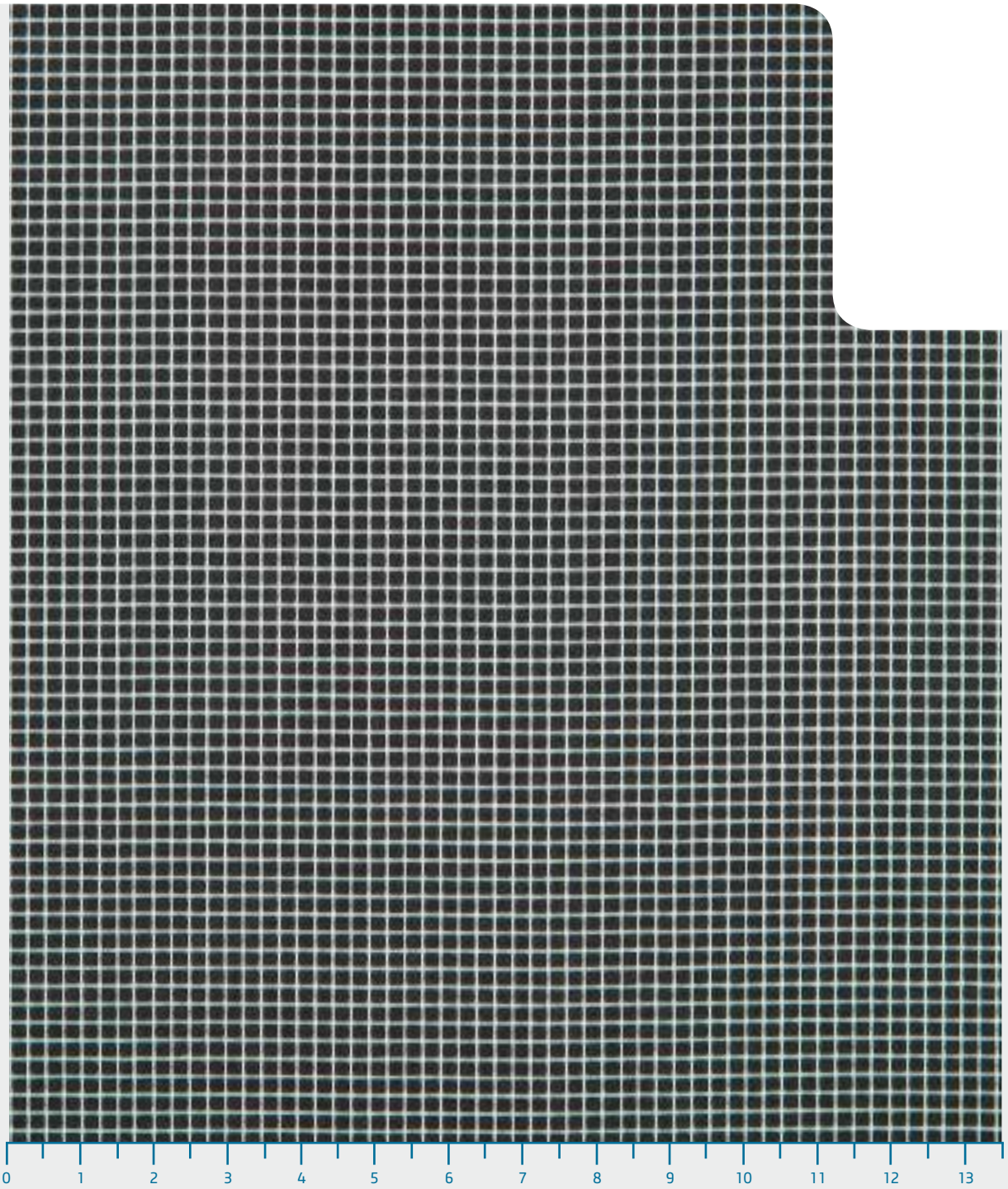

ADFORS
SAINT-GOBAIN

Vertex®

R 58 A101

3,5 × 4,2 mm

65 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	3,5	4,2
Treated fabric weight (g/m²)	65	
Loom state fabric weight (g/m²)	58	
Treated fabric thickness (mm)	0,33	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	60	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1400	1000
Elongation in standard conditions warp/weft (%)	4	4

Options Available

— Color adjustment: usually only white
— Fabric softness: C, D
— Logo print: yes
— Width: 25 cm – 100 cm
— Length: 25 m – 500 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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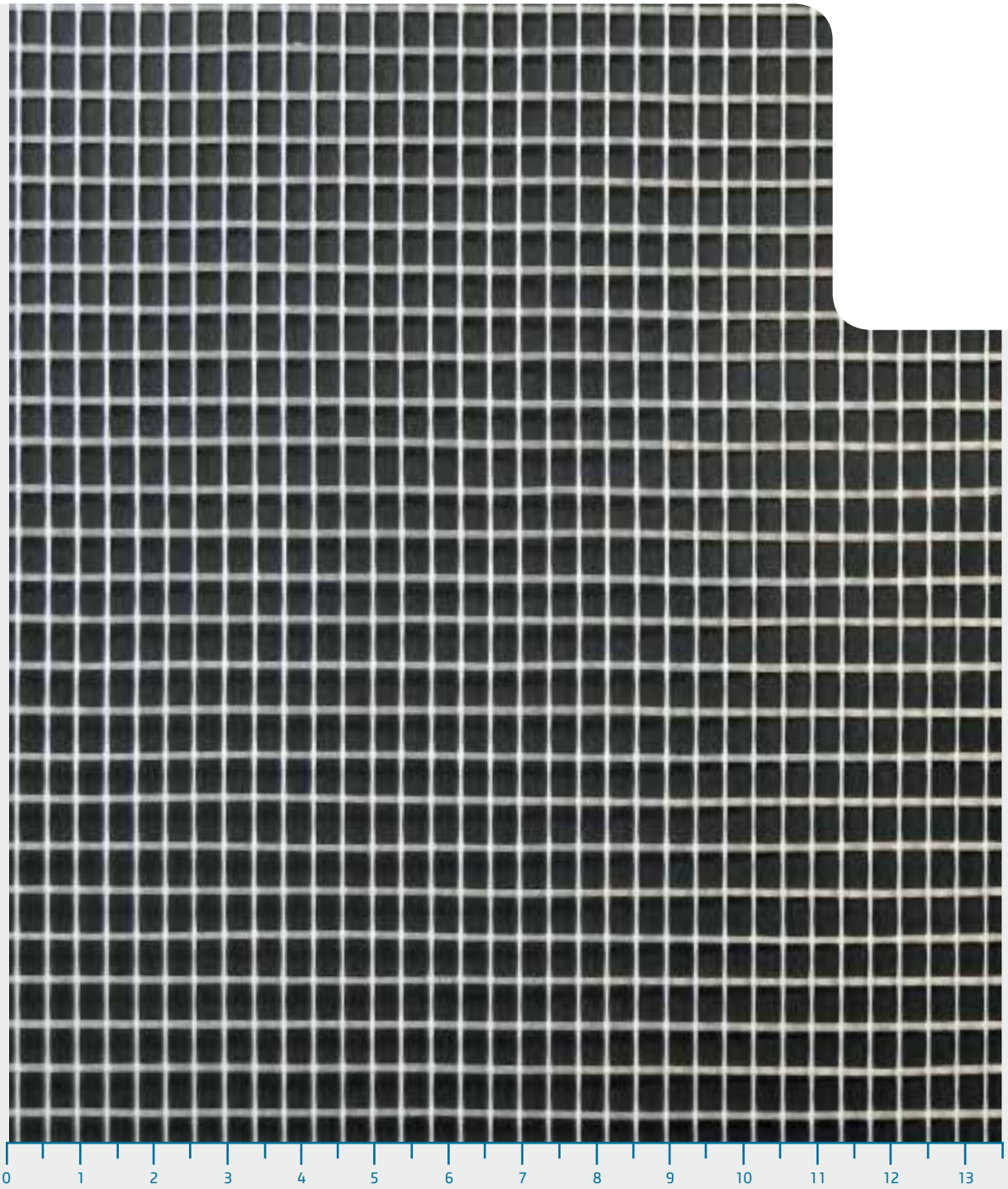

ADFORS SAINT-GOBAIN

Vertex®

R 85 A101

10 × 10 mm

110 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	10	10
Treated fabric weight (g/m²)	110	
Loom state fabric weight (g/m²)	85	
Treated fabric thickness (mm)	0,75	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	30	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1900	1600
Elongation in standard conditions warp/weft (%)	3,5	4

Options Available

— Color adjustment: yes
— Fabric softness: C, D, E
— Logo print: usually no
— Width: 25 cm – 110 cm
— Length: 10 m – 2 000 m

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Other options than mentioned to be checked with a product manager.

Quality Inspection

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Packing

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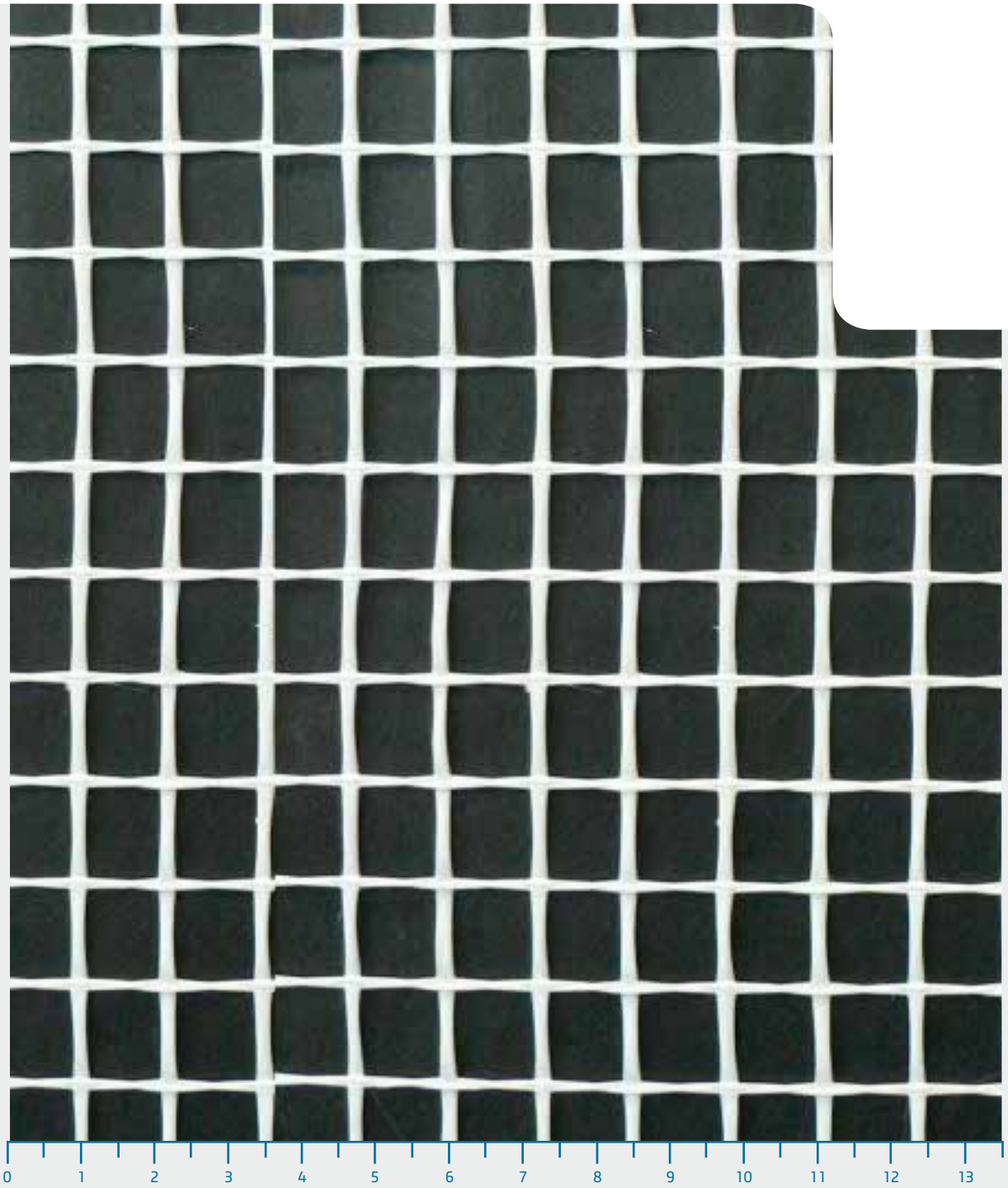

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SAINT-GOBAIN

Vertex®

R 86 A101

6 × 5,5 mm

105 g/m²

Applications

— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	6	5,5
Treated fabric weight (g/m²)	105	
Loom state fabric weight (g/m²)	86	
Treated fabric thickness (mm)	0,5	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	45 (C) or 35 (D,E)	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1600	1700
Elongation in standard conditions warp/weft (%)	4	4

Options Available

— Color adjustment: yes
— Fabric softness: C, D, E
— Logo print: usually no
— Width: 10 cm – 100 cm
— Length: 10 m – 1 250 m

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Other options than mentioned to be checked with a product manager.

Quality Inspection

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Packing

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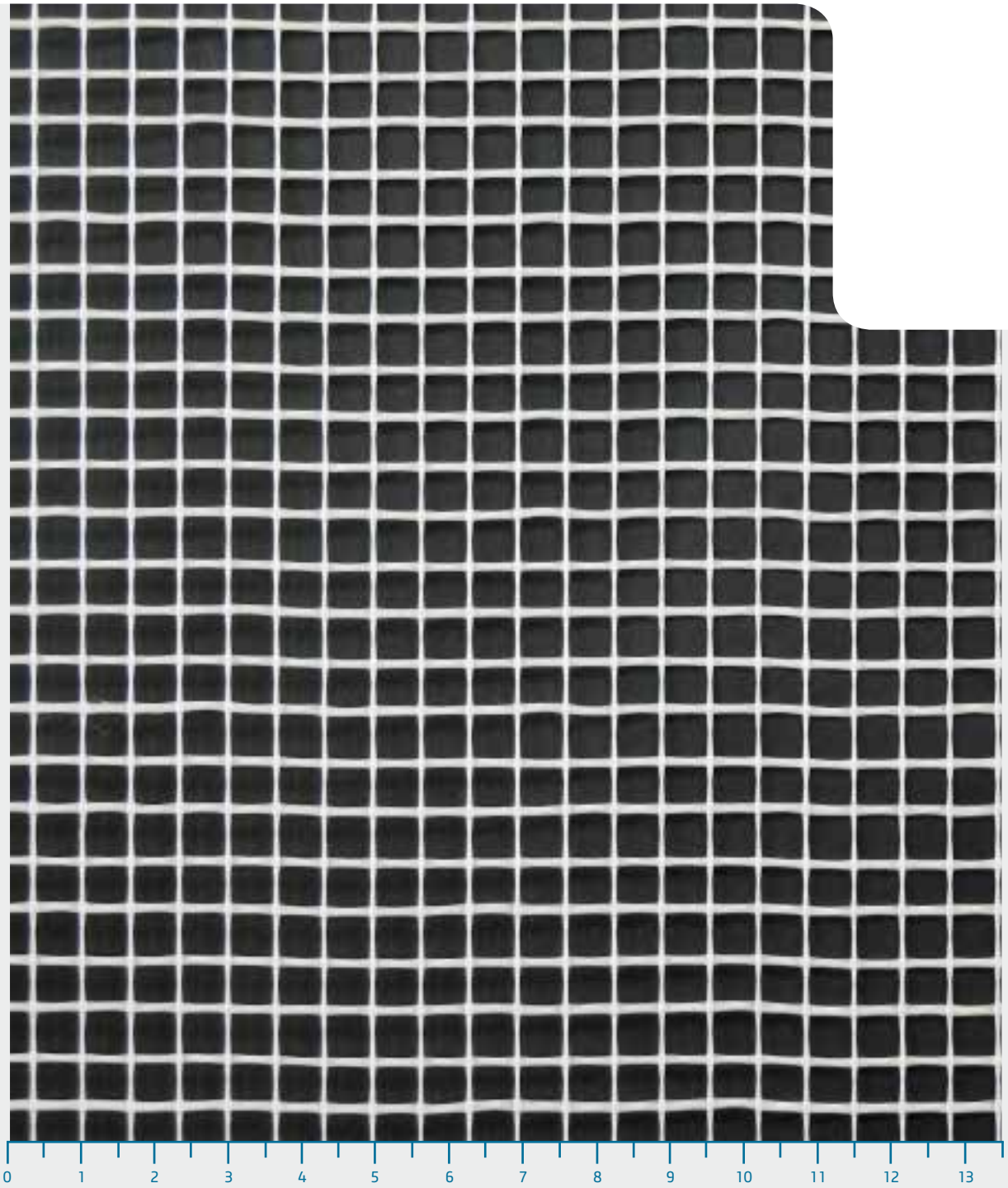

ADFORS
SAINT-GOBAIN

Vertex®

R 96 A101

4,1 × 4,1 mm

118 g/m²

Applications

— Interior wall reinforcement
— Façade reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	4,1	4,1
Treated fabric weight (g/m²)	118	
Loom state fabric weight (g/m²)	98	
Treated fabric thickness (mm)	0,5	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	35	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2100	1600
Elongation in standard conditions warp/weft (%)	3,5	3,5

Options Available

— Color adjustment: yes
— Fabric softness: C, D
— Logo print: yes
— Width: 10 cm – 100 cm
— Length: 50 m – 2 000 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

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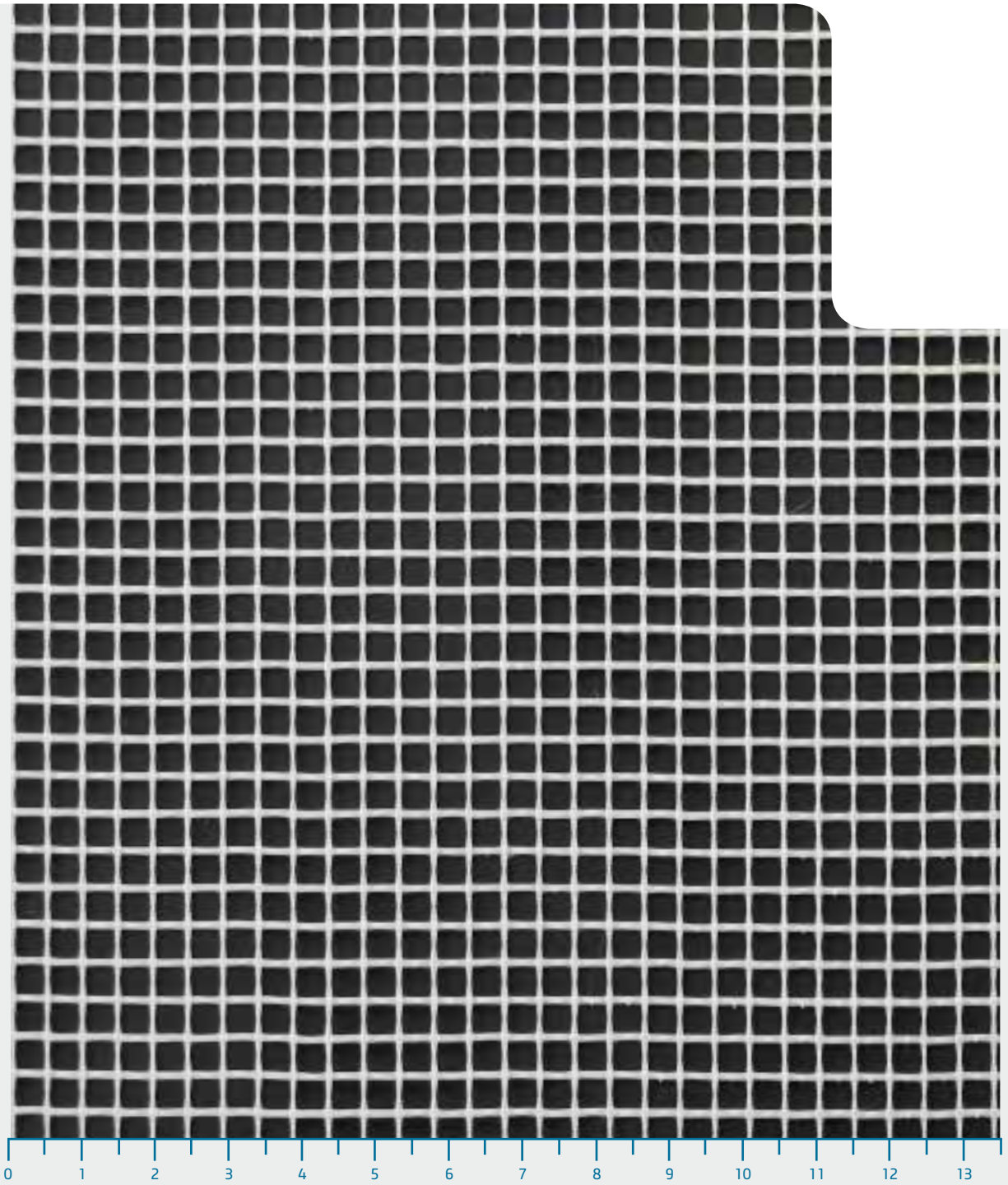

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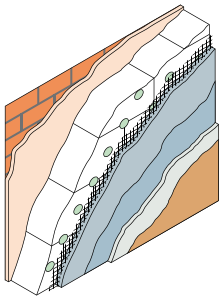
Vertex®

External Thermal Insulation Composite System

ETICS



External Thermal Insulation System (ETICS) is the right solution to ensure indoor thermal comfort. When ETICS is applied, internal spaces are better insulated against outside temperature changes. Performance requirements for the complete system and components are specified by ETAG 004.

ADFORS Vertex® Mesh prevents any potential crack creation and by that protects the whole system from water infiltration and mould development. The life time of ETICS is by that prolonged to maximum. Therefore ADFORS Vertex® glass fibre mesh fabric is a mandatory component of ETIC system.

ADFORS SAINT-GOBAIN

Vertex®

R 117 A101

4,0 × 4,5 mm

145 g/m²

6,64 MJ/kg

Applications

— ETICS
— Façade reinforcement
— Interior wall reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	4	4,5
Treated fabric weight (g/m²)	145	
Loom state fabric weight (g/m²)	117	
Treated fabric thickness (mm)	0,5	
Standard roll width/lenght (m)	1 or 1,1	50
Standard pallet no. of rolls	33	

Chemical characteristics

Glass	E
Coating	alkali resistant
Combustion heat (MJ/kg)	6,64

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2200	2000
Elongation in standard conditions warp/weft (%)	3,8	3,8
Tensile strength after 28 days ETAG test warp/weft (%)	70	65

BESTSELLER

Options Available

— Color adjustment: yes
— Fabric softness: A,B, C, D, E, F, R
— Logo print: yes
— Width: 10 cm – 120 cm
— Length: 10 m – 2 000 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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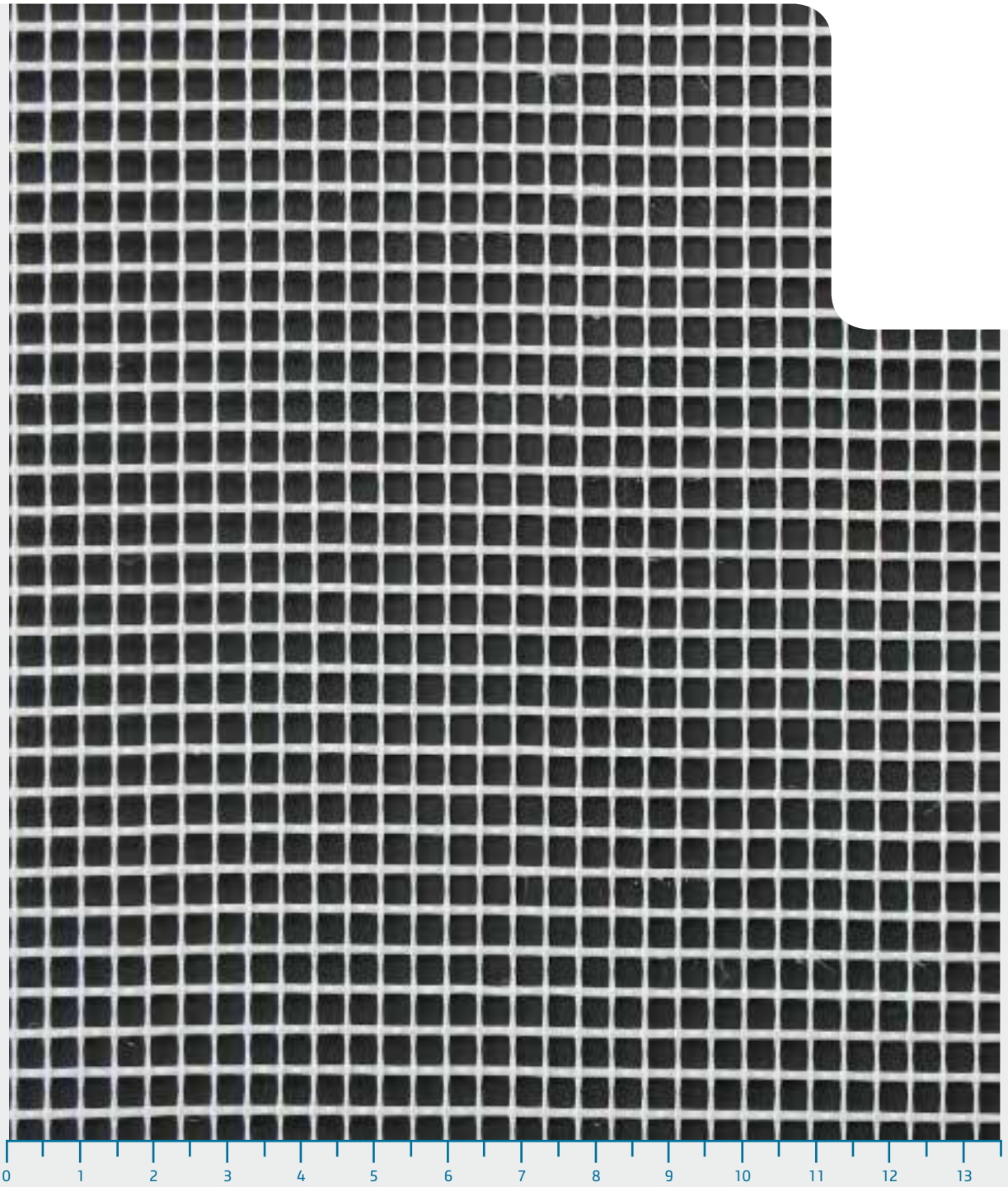

ADFORS SAINT-GOBAIN

Vertex®

R 118 A101

9 × 10 mm

138 g/m²

< 7,6 MJ/kg

Applications

— ETICS
— Façade reinforcement

Fabric Versions Available

— R 118 A101 C+, CSTB TRaME 2/1/4/3

Dimensional characteristics

Square dimension warp/weft (mm)	9	10
Treated fabric weight (g/m²)	138	
Loom state fabric weight (g/m²)	118	
Treated fabric thickness (mm)	0,67	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	30	

Chemical characteristics

Glass	E
Coating	alkali resistant
Combustion heat (MJ/kg)	7,6

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2050	2400
Elongation in standard conditions warp/weft (%)	3,5	3,5
Tensile strength after 28 days ETAG test warp/weft (%)	60	55

Options Available

— Color adjustment: yes
— Fabric softness: D
— Logo print: yes
— Width: 20 cm – 100 cm
— Length: 50 m – 500 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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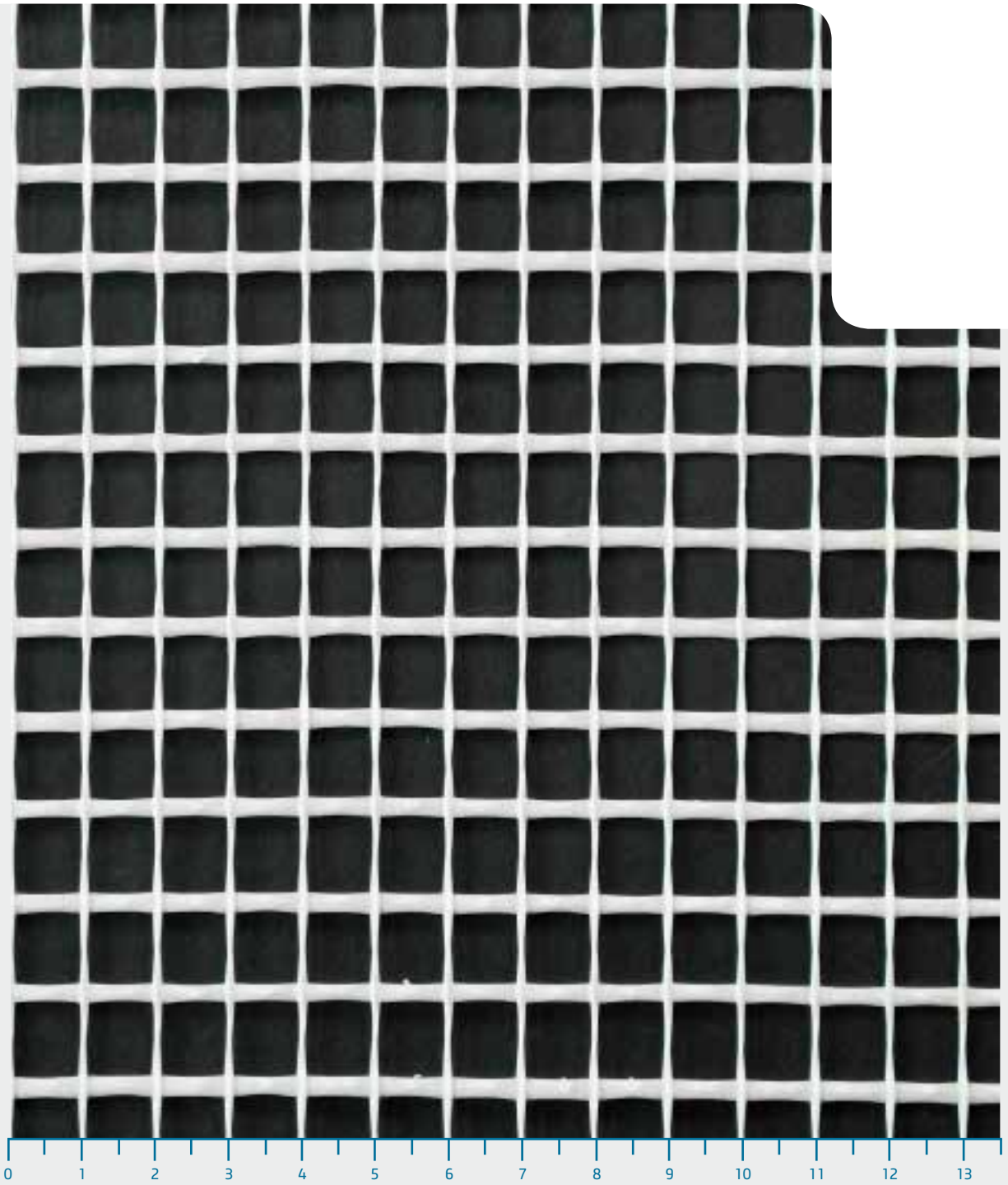
Vertex®



ADFORS SAINT-GOBAIN

Vertex®

R 121 A101

4 × 4 mm

153 g/m²

Applications

— ETICS
— Façade reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	4	4
Treated fabric weight (g/m²)	153	
Loom state fabric weight (g/m²)	122	
Treated fabric thickness (mm)	0,55	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	30	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2150	2250
Elongation in standard conditions warp/weft (%)	3,8	3,8
Tensile strength after 28 days ETAG test warp/weft (%)	70	60

Options Available

— Color adjustment: yes, usually white
— Fabric softness: C
— Logo print: yes
— Width: 10 cm – 110 cm
— Length: 10 m – 1 000 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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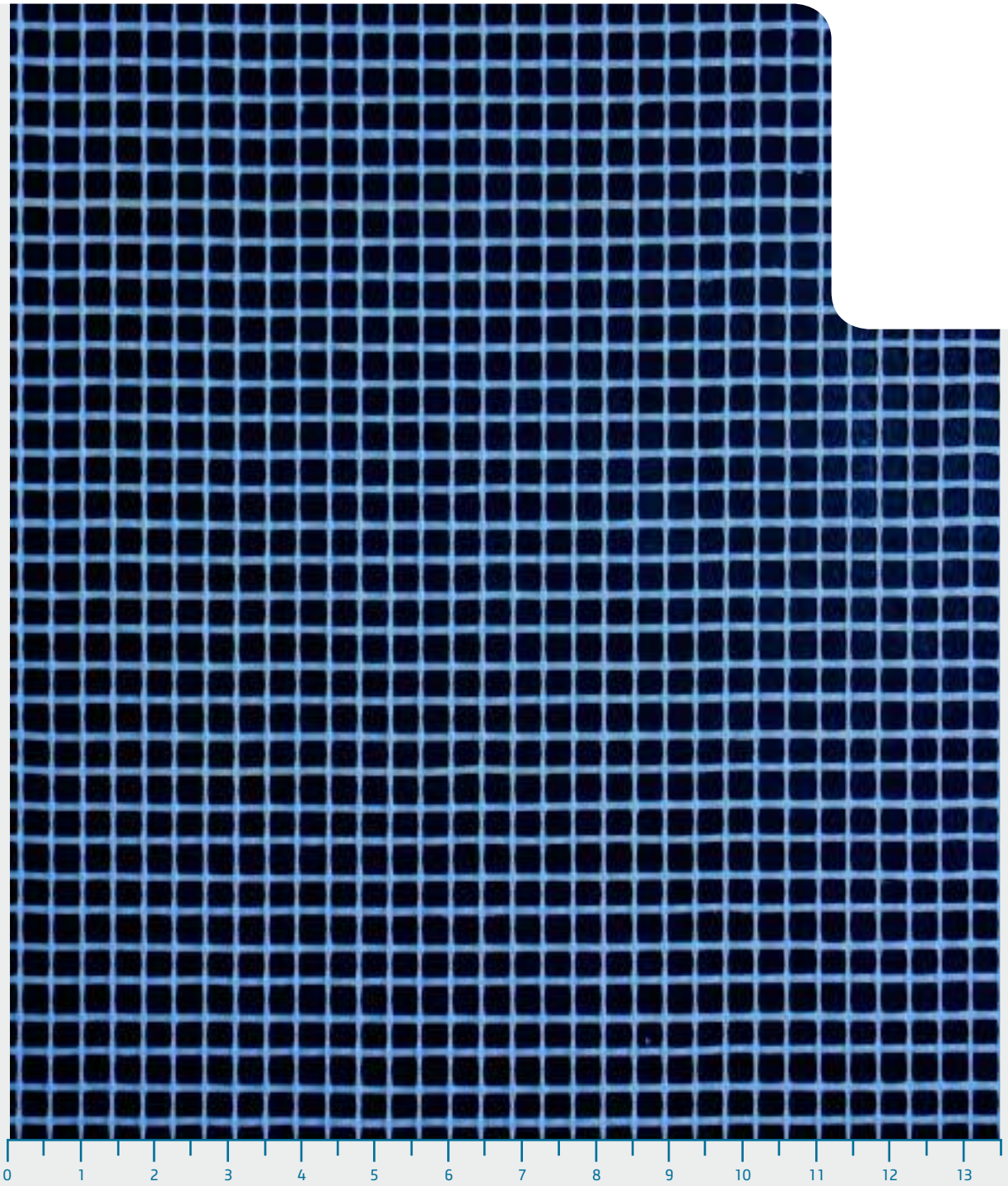

ADFORS SAINT-GOBAIN

Vertex®

R 122 A101

6 × 6 mm

155 g/m²

Applications

— ETICS
— Façade reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	6	6
Treated fabric weight (g/m²)	155	
Loom state fabric weight (g/m²)	124	
Treated fabric thickness (mm)	0,65	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	30	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2100	2700
Elongation in standard conditions warp/weft (%)	3,5	3,5
Tensile strength after 28 days ETAG test warp/weft (%)	60	60

Options Available

— Color adjustment: yes
— Fabric softness: D, E, F
— Logo print: yes
— Width: 10 cm – 100 cm
— Length: 10 m – 1 000 m

000 115 225 448 667 775 996

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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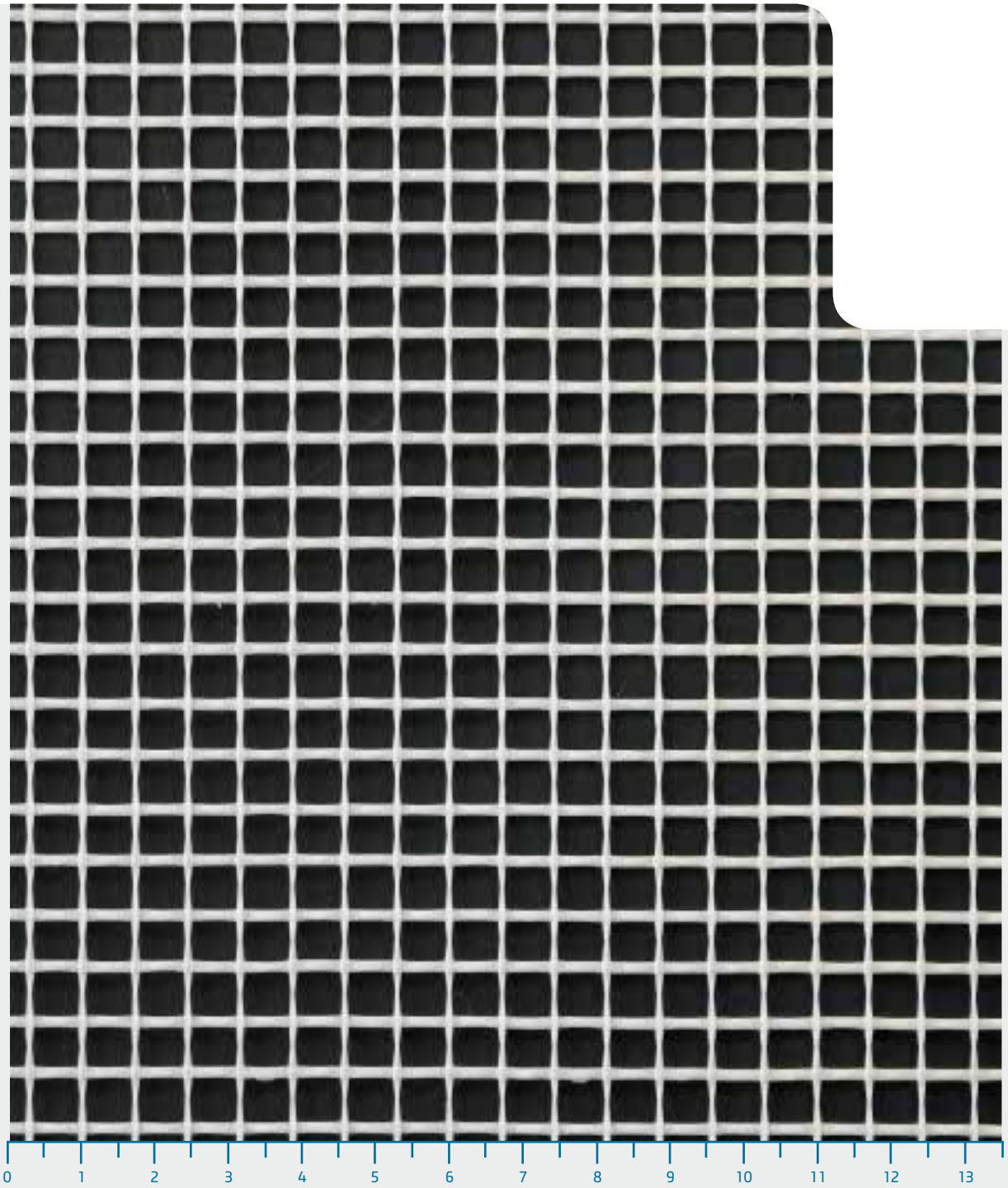

ADFORS SAINT-GOBAIN

Vertex®

R 131 A101

3,5 × 3,8 mm

160 g/m²

< 8,2 MJ/kg

Applications

— ETICS
— Façade reinforcement

Fabric Versions Available

— R 131 A101 C+, CSTB TRaME: 3/1/2/2
— R 131 A102 C+, CSTB TRaME: 3/2/2/3
— R 131 A101N (Non-flammable), Combustion heat 2,05 MJ/kg

Dimensional characteristics

Square dimension warp/weft (mm)	3,5	3,8
Treated fabric weight (g/m²)	160	
Loom state fabric weight (g/m²)	131	
Treated fabric thickness (mm)	0,52	
Standard roll width/lenght (m)	1 or 1,1	50
Standard pallet no. of rolls	33	

Chemical characteristics

Glass	E
Coating	alkali resistant
Combustion heat (MJ/kg)	8,17

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2300	2400
Elongation in standard conditions warp/weft (%)	3,8	3,8
Tensile strength after 28 days ETAG test warp/weft (%)	70	65

BESTSELLER

Options Available

— Color adjustment: yes
— Fabric softness: A,B, C, D, E, F
— Logo print: yes
— Width: 10 cm – 300 cm
— Length: 10 m – 2 000 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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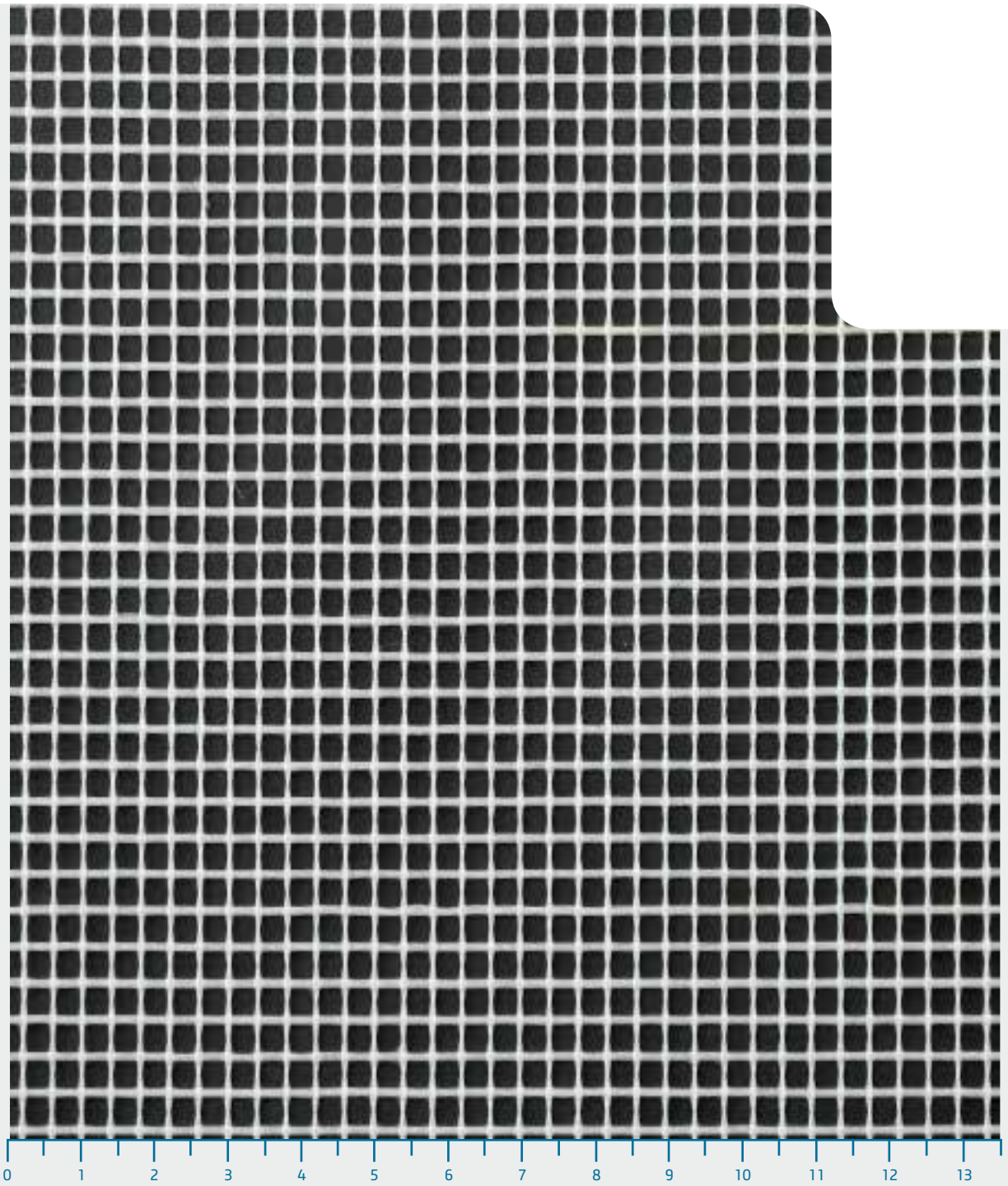

ADFORS SAINT-GOBAIN

Vertex®

R 137 A101

6 × 6 mm

165 g/m²

< 6,93 MJ/kg

Applications

— ETICS
— Façade reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	6	6
Treated fabric weight (g/m²)	165	
Loom state fabric weight (g/m²)	137	
Treated fabric thickness (mm)	0,65	
Standard roll width/lenght (m)	1 or 1,1	50
Standard pallet no. of rolls	30	

Chemical characteristics

Glass	E
Coating	alkali resistant
Combustion heat (MJ/kg)	6,93

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2300	2300
Elongation in standard conditions warp/weft (%)	4,5	4,5
Tensile strength after 28 days ETAG test warp/weft (%)	70	70

Options Available

— Color adjustment: yes
— Fabric softness: C
— Logo print: yes
— Width: 20 cm – 110 cm
— Length: 25 m – 500 m

000 225

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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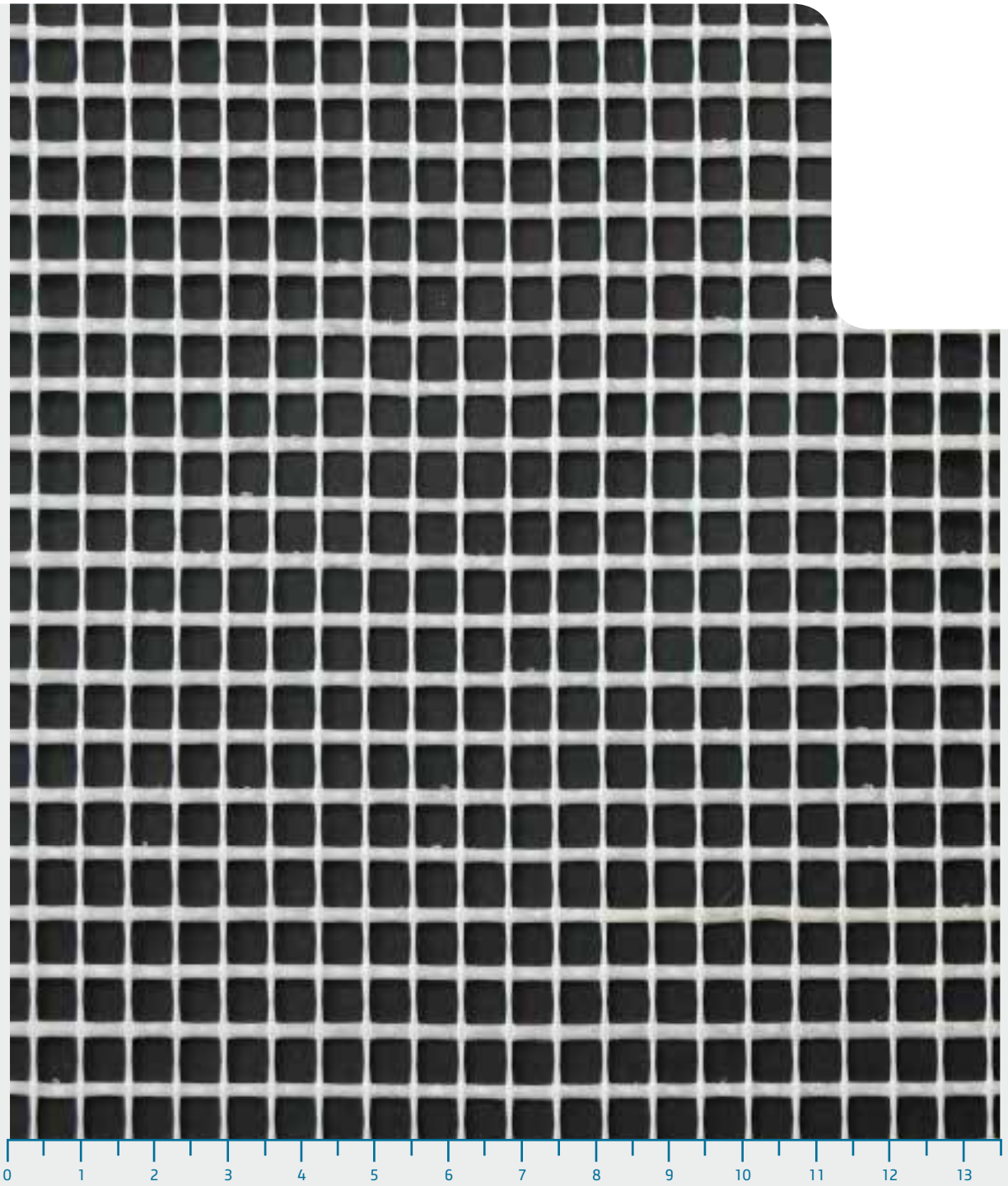

ADFORS SAINT-GOBAIN

Vertex®

R 163 A101

5 × 5 mm

200 g/m²

Applications

— ETICS
— Façade reinforcement

Dimensional characteristics

Square dimension warp/weft (mm)	5	5
Treated fabric weight (g/m²)	200	
Loom state fabric weight (g/m²)	163	
Treated fabric thickness (mm)	0,65	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	24	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2800	3200
Elongation in standard conditions warp/weft (%)	4	4
Tensile strength after 28 days ETAG test warp/weft (%)	60	60

Options Available

— Color adjustment: yes
— Fabric softness: C, D, F
— Logo print: yes
— Width: 33 cm – 110 cm
— Length: 50 m – 350 m

000 664 773

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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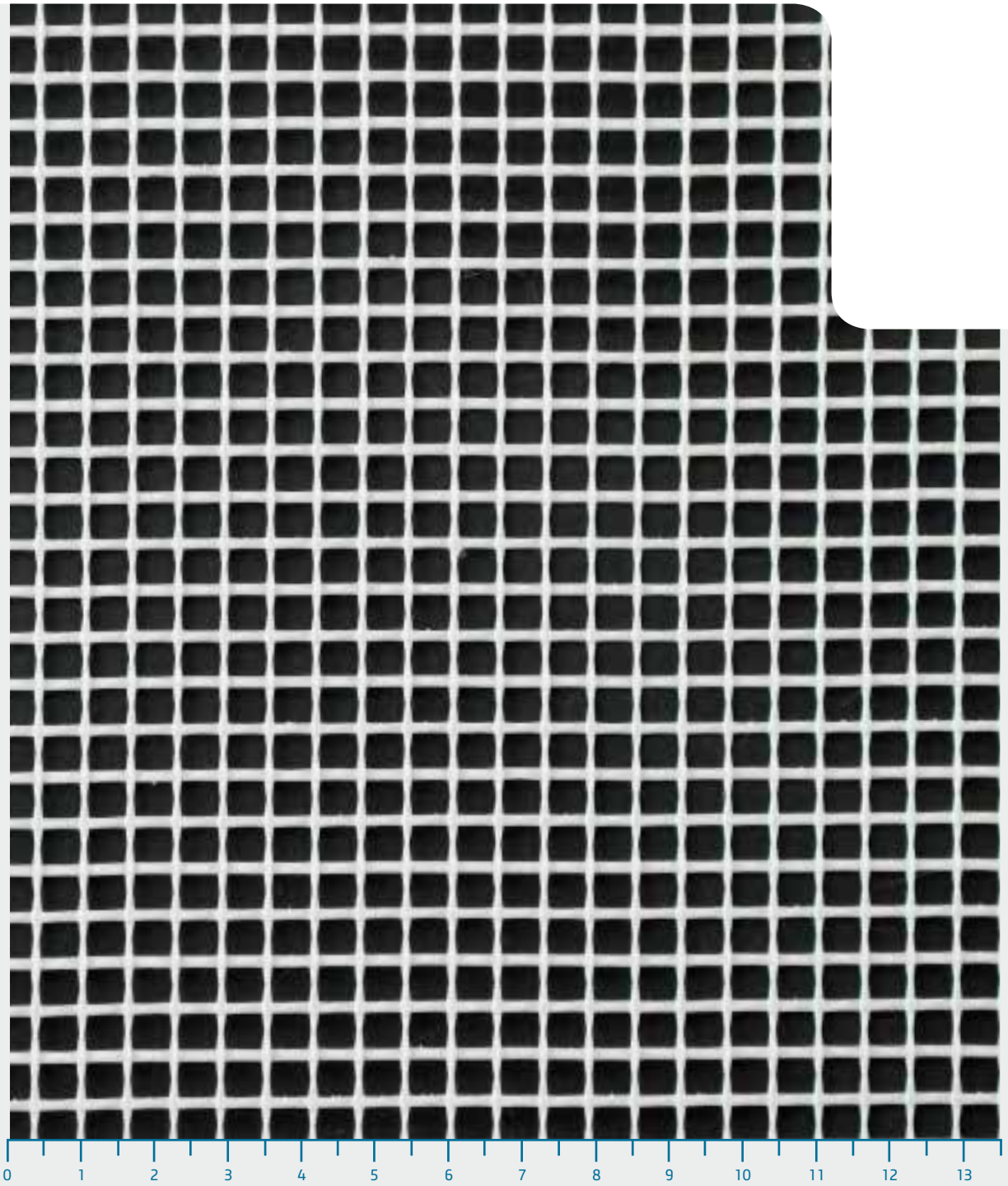

ADFORS SAINT-GOBAIN

Vertex®

R 178 A101

8 × 8 mm

219 g/m²

Applications

— ETICS
— Façade reinforcement

Fabric Versions Available

— R 178 A102 C+, CSTB TRaME 4/2/3/3

Dimensional characteristics

Square dimension warp/weft (mm)	8	8
Treated fabric weight (g/m²)	219	
Loom state fabric weight (g/m²)	178	
Treated fabric thickness (mm)	0,82	
Standard roll width/lenght (m)	1 or 1,1	50
Standard pallet no. of rolls	20	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	3200	3800
Elongation in standard conditions warp/weft (%)	3,5	3,5
Tensile strength after 28 days ETAG test warp/weft (%)	65	65

Options Available

— Color adjustment: yes
— Fabric softness: C, D, E
— Logo print: yes
— Width: 20 cm – 110 cm
— Length: 10 m – 300 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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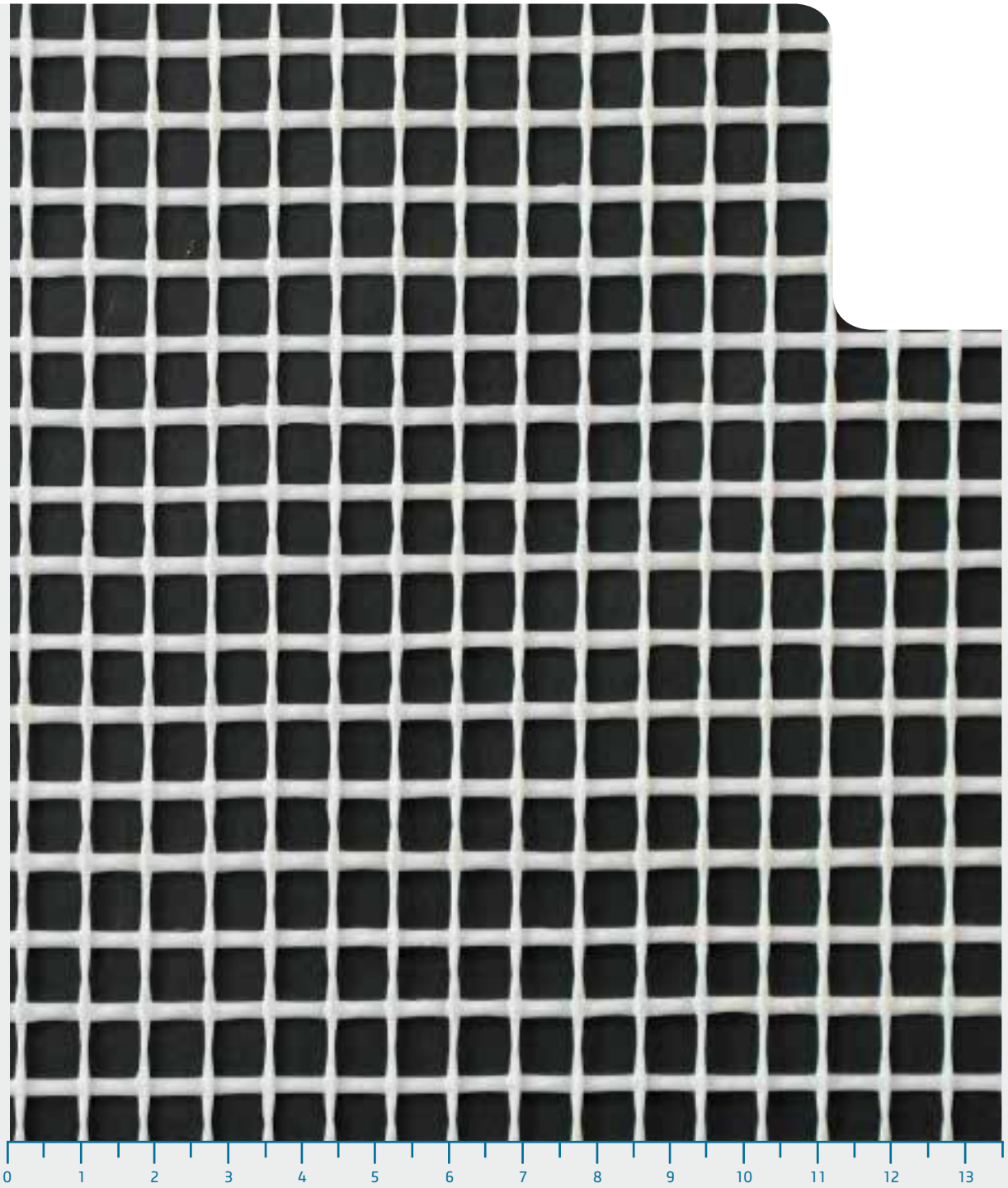

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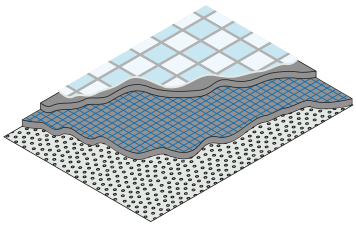
Vertex®

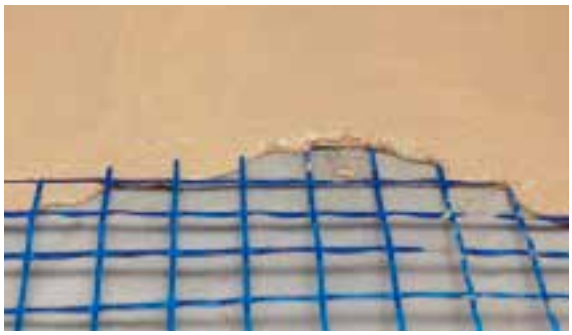
Screed Reinforcement

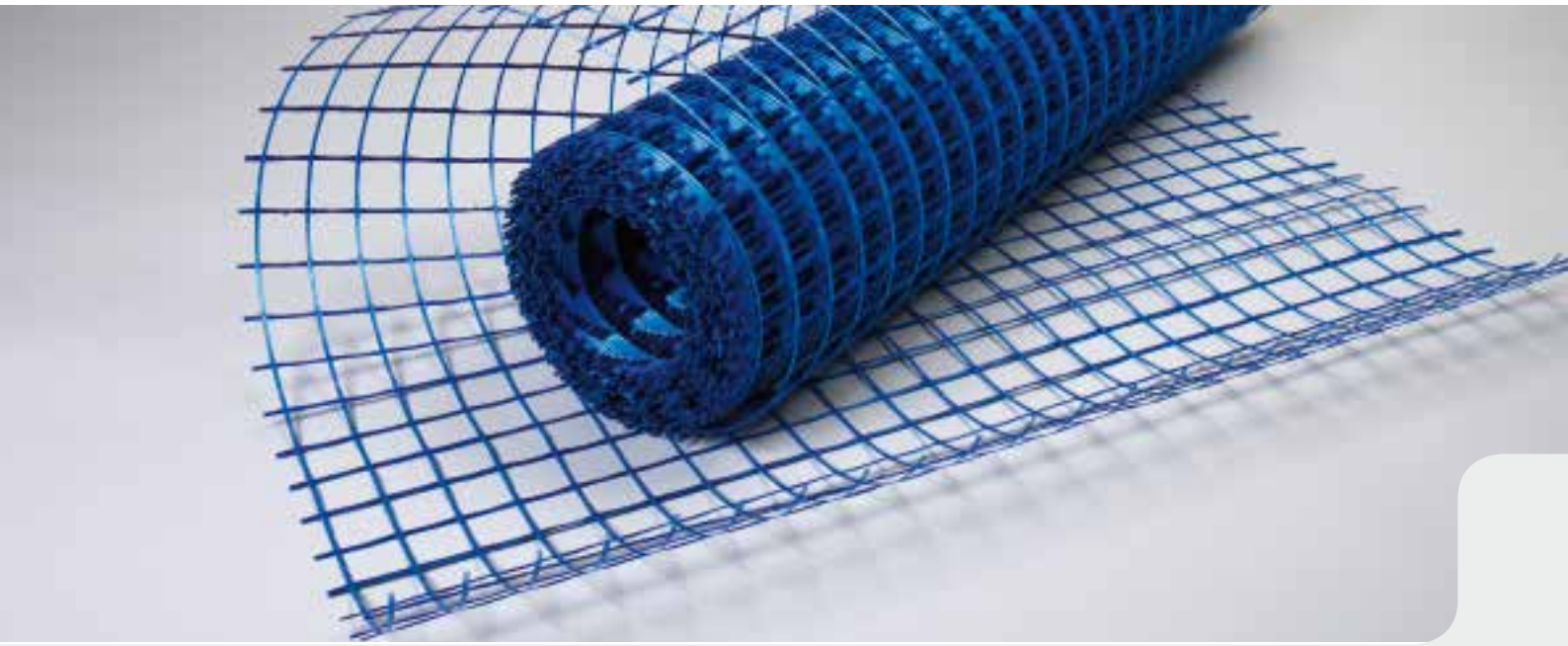
Screed



To ensure a good quality of the screed's surface without any cracks, reinforcement is often necessary. Intensive chemical reactions occur in the screed during the drying period (28 days after the application). These reactions generate internal stresses, which lead to a cracked surface and problematic installation of tiles or resin. Reinforcement with ADFORS Vertex® Grid eliminates drying cracks by up to 60% compared to a standard steel mesh and decreases the visibility of any crack by 50%.

All screeds have a very low mechanical strength in tension. If they are placed on a soft insulation layer (heating floors, acoustic insulation) they can easily crack. Therefore reinforcement is a must in such cases. ADFORS Vertex® Grid ensures the stability of the screed even after the first crack. It allows the screed to absorb more energy during deformation.





ADFORS
SAINT-GOBAIN

Vertex®

G 120

40 × 40
mm

145
g/m²

Applications

— Screed reinforcement
— Façade renovation

Dimensional characteristics

Square dimension warp/weft (mm)	40	40
Treated fabric weight (g/m²)	145	
Loom state fabric weight (g/m²)	120	
Treated fabric thickness (mm)	1,1	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	15	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1500	1500
Elongation in standard conditions warp/weft (%)	3	3
Tensile strength after 28 days ETAG test warp/weft (%)	65	65

Options Available

— Color adjustment: only blue
— Fabric softness: D
— Logo print: no
— Width: 100 cm
— Length: 20 m – 100 m

667

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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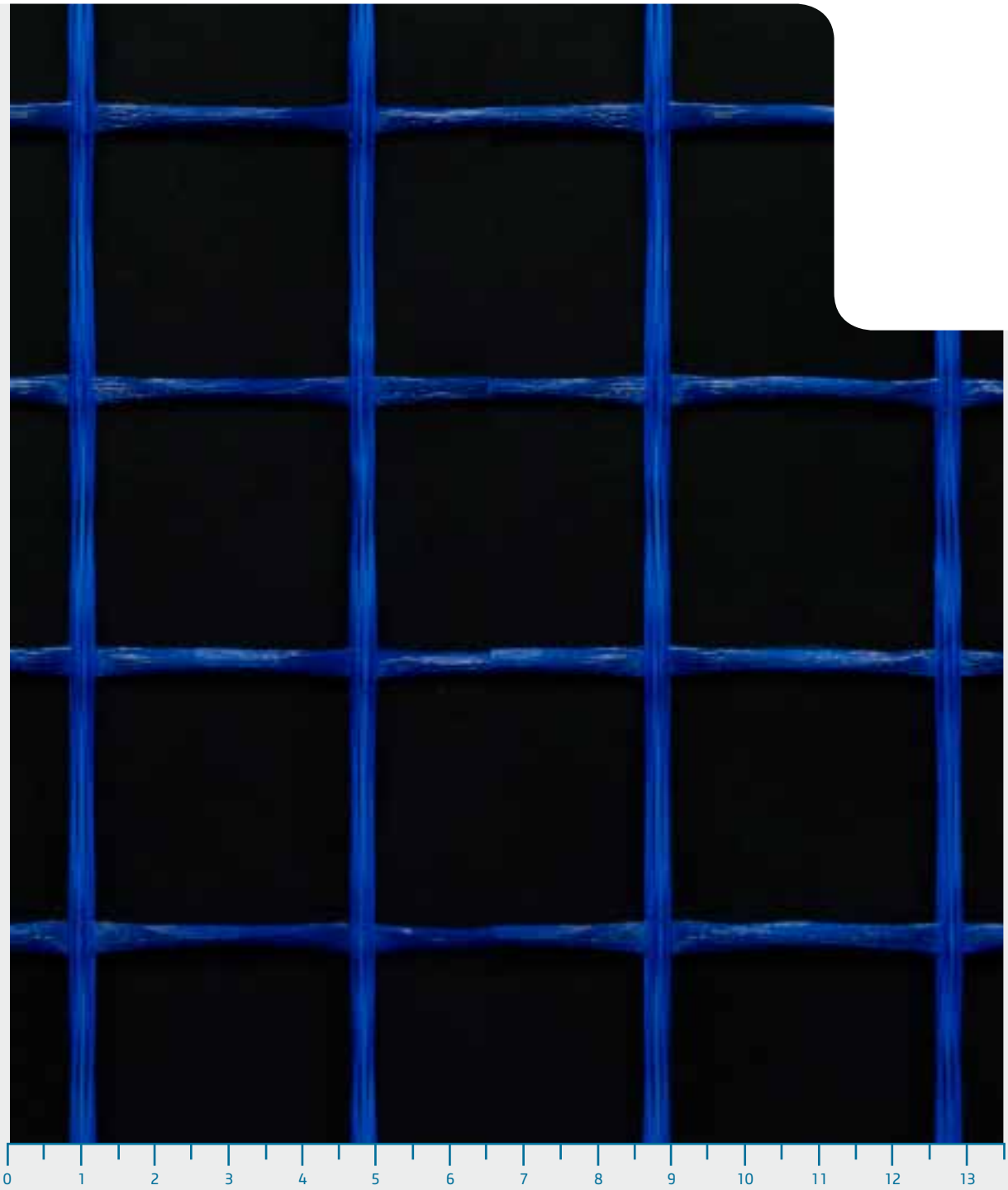

ADFORS SAINT-GOBAIN

Vertex®

G 96

25 × 25 mm

130 g/m²

Applications

— Screed reinforcement
— Façade renovation

Dimensional characteristics

Square dimension warp/weft (mm)	25	25
Treated fabric weight (g/m²)	130	
Loom state fabric weight (g/m²)	96	
Treated fabric thickness (mm)	1	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	15	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	1250	1000
Elongation in standard conditions warp/weft (%)	3	3
Tensile strength after 28 days ETAG test warp/weft (%)	65	65

Options Available

— Color adjustment: only blue
— Fabric softness: D
— Logo print: no
— Width: 100 cm
— Length: 50 m

667

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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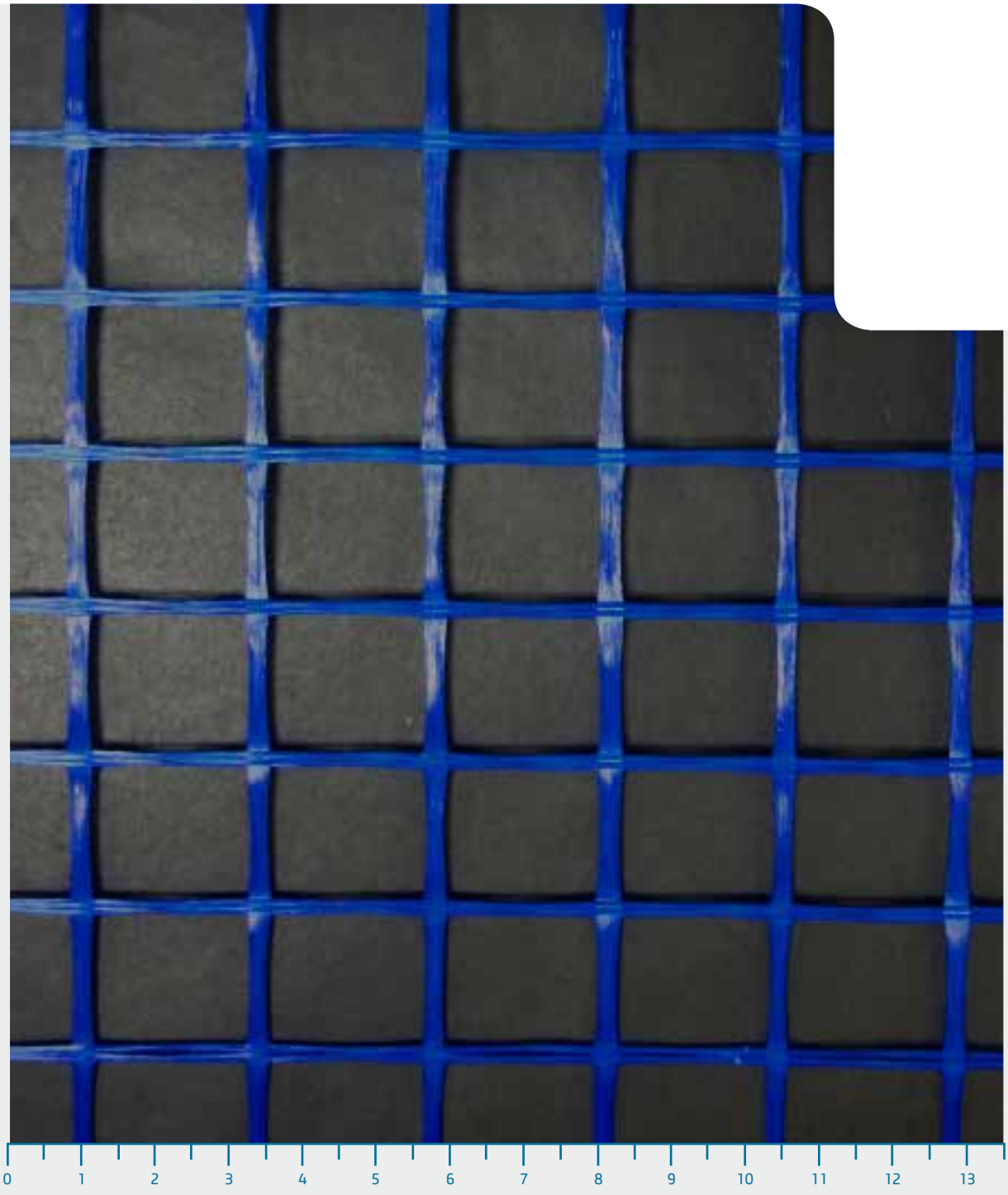

ADFORS
SAINT-GOBAIN

Vertex®

R 108 A101

9 × 9 mm

140 g/m²

Applications

— Thin screed reinforcement
— Interior crack prevention

Dimensional characteristics

Square dimension warp/weft (mm)	9	9
Treated fabric weight (g/m²)	140	
Loom state fabric weight (g/m²)	108	
Treated fabric thickness (mm)	0,74	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	24	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2100	1850
Elongation in standard conditions warp/weft (%)	3	3

Options Available

— Color adjustment: usually only blue
— Fabric softness: D
— Logo print: no
— Width: 100 cm
— Length: from 50 m

667

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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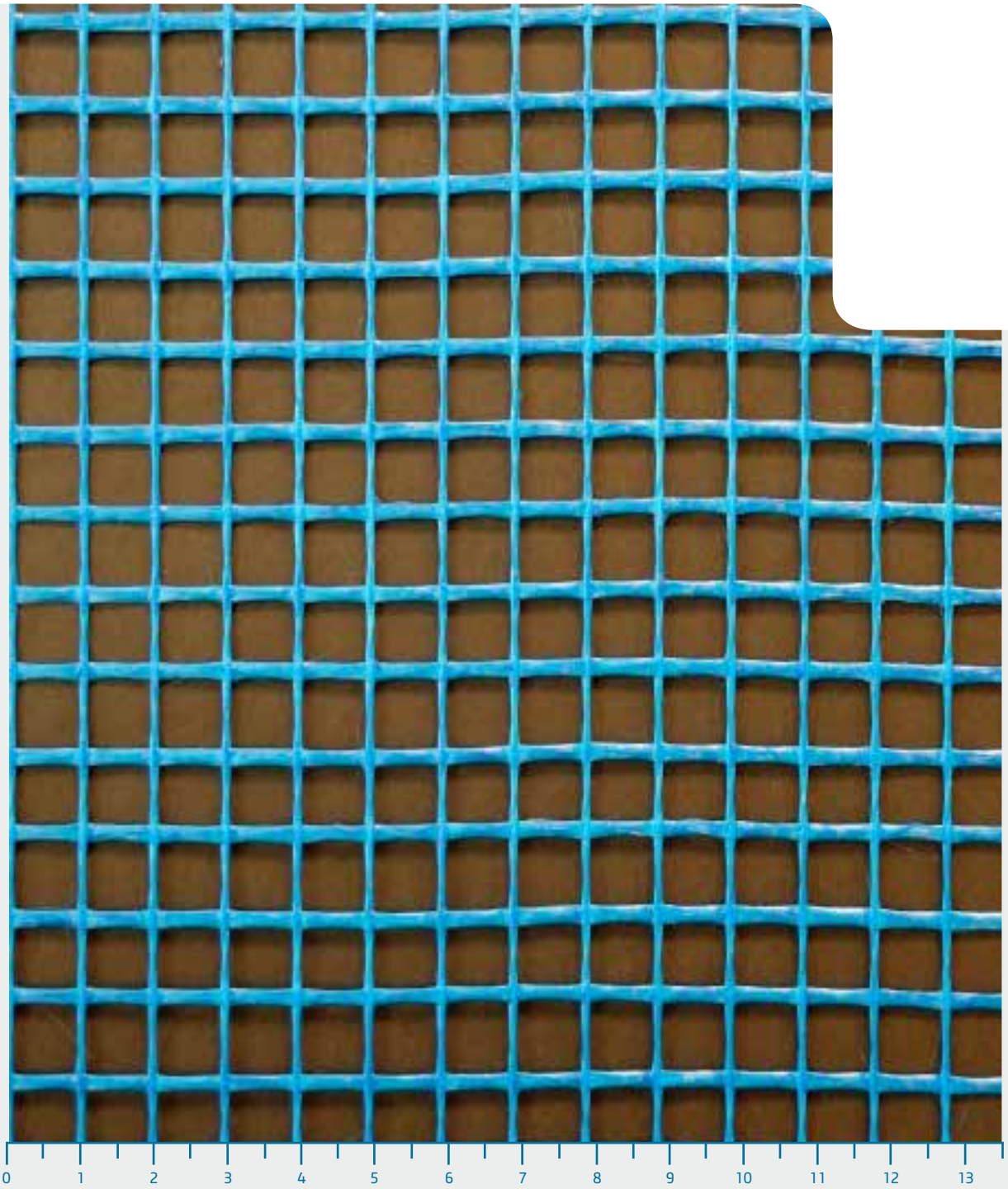
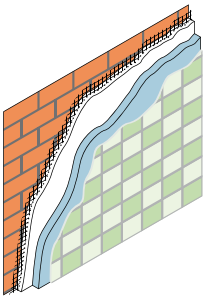


ADFORS
SAINT-GOBAIN

Vertex®

Impact Sensitive and Heavy Stressed Wall Parts

Heavy-duty



Not all façade surfaces are exposed to the same demands. Footing, façade surface around a garage or kids' playground or sides of a building where the hail typically fall are recommended to be specifically protected. So called panzer ADFORS Vertex® meshes significantly help to protect the façade against damages. In specific cases even a double layer is recommended.

For façades with popular brick facings, R 267 is an ideal reinforcement.

ADFORS
SAINT-GOBAIN

Vertex®

R 267 A101

8,5 × 6,5 mm

314 g/m²

Applications

— Socles
— Impact sensitive and heavy stressed walls
— Façades with facing bricks

Dimensional characteristics

Square dimension warp/weft (mm)	8,5	6,5
Treated fabric weight (g/m²)	314	
Loom state fabric weight (g/m²)	267	
Treated fabric thickness (mm)	0,95	
Standard roll width/lenght (m)	1	50
Standard pallet no. of rolls	20	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	2500	6300
Elongation in standard conditions warp/weft (%)	4	4
Tensile strength after 28 days ETAG test warp/weft (%)	65	75

Options Available

— Color adjustment: yes
— Fabric softness: C
— Logo print: yes
— Width: 20 cm – 100 cm
— Length: 25 m – 50 m

000 115

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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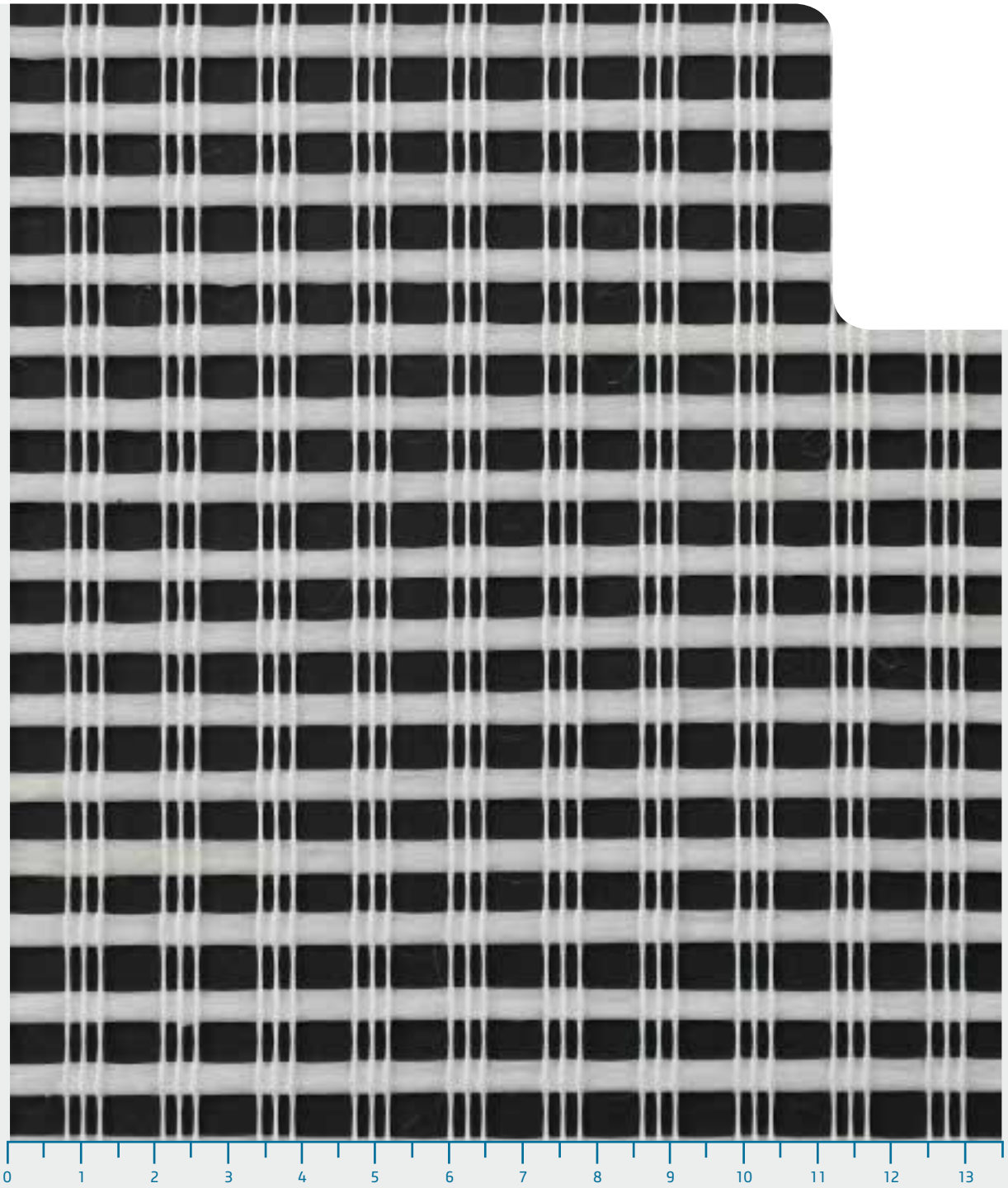

ADFORS
SAINT-GOBAIN

Vertex®

R 275 A101

6 × 6 mm

330 g/m²

Applications

— Socles
— Impact sensitive and heavy stressed walls

Dimensional characteristics

Square dimension warp/weft (mm)	6	6
Treated fabric weight (g/m²)	330	
Loom state fabric weight (g/m²)	275	
Treated fabric thickness (mm)	0,9	
Standard roll width/lenght (m)	1	25
Standard pallet no. of rolls	33	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	4400	5300
Elongation in standard conditions warp/weft (%)	4,5	4,5
Tensile strength after 28 days ETAG test warp/weft (%)	70	70

Options Available

— Color adjustment: yes
— Fabric softness: C
— Logo print: yes
— Width: 25 cm – 100 cm
— Length: 25 m – 350 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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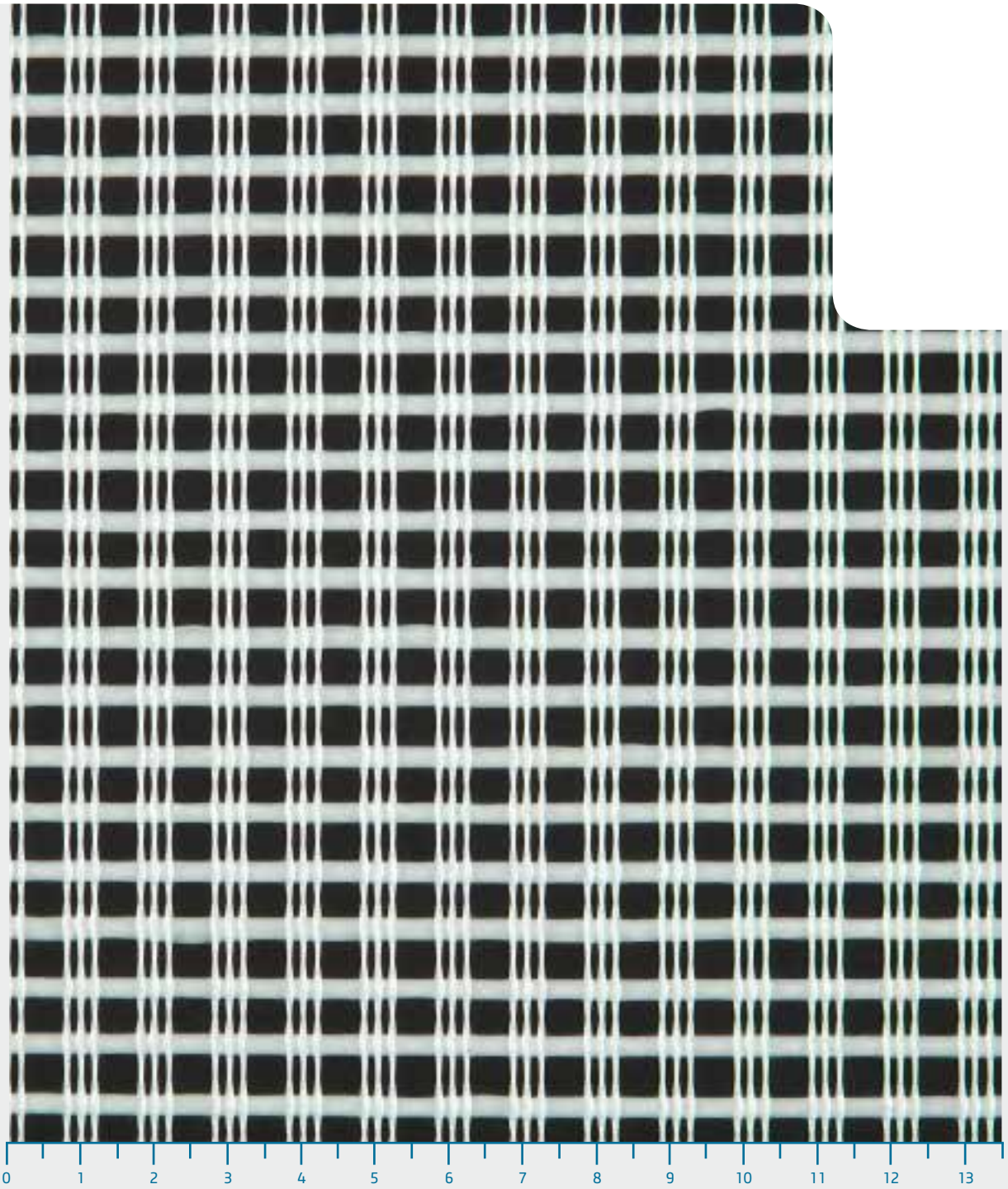
ADFORS
SAINT-GOBAIN

Vertex®



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Vertex®

R 451 A101

5 × 5 mm

525 g/m²

Applications

— Socles
— Impact sensitive and heavy stressed walls

Dimensional characteristics

Square dimension warp/weft (mm)	5	5
Treated fabric weight (g/m²)	525	
Loom state fabric weight (g/m²)	440	
Treated fabric thickness (mm)	1,1	
Standard roll width/lenght (m)	1	25
Standard pallet no. of rolls	34	

Chemical characteristics

Glass	E
Coating	alkali resistant

Mechanical characteristics

Tensile strength in standard conditions warp/weft (N/5 cm)	5500	8200
Elongation in standard conditions warp/weft (%)	4,5	4,5
Tensile strength after 28 days ETAG test warp/weft (%)	65	60

Options Available

— Color adjustment: usually only white
— Fabric softness: C
— Logo print: usually no
— Width: 100 cm
— Length: 25 m

Other options than mentioned to be checked with a product manager.

Quality Inspection

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50 °C.

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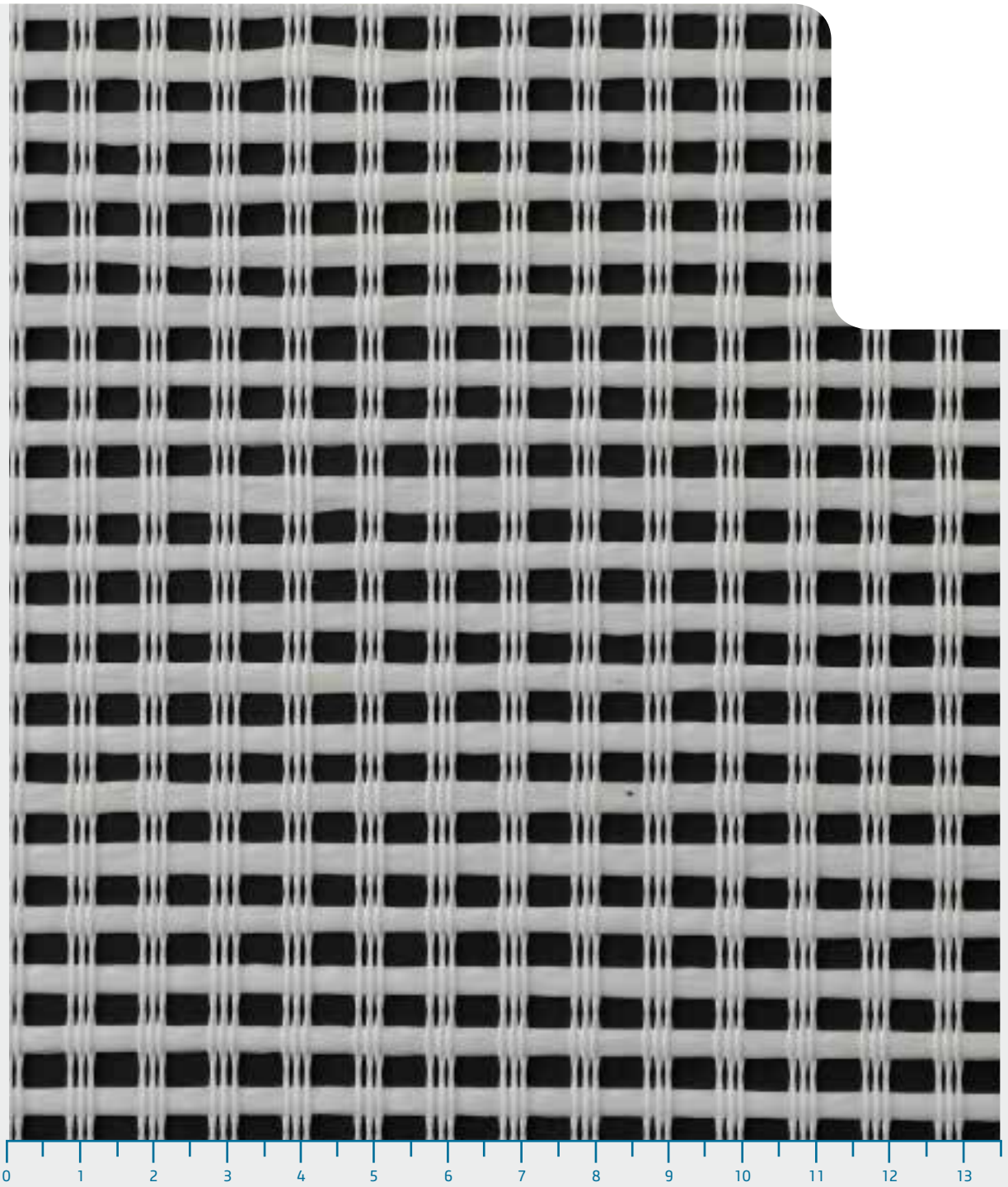

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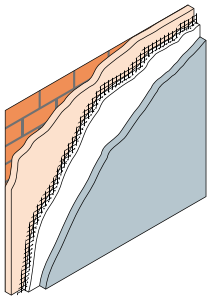
Special Application

Special

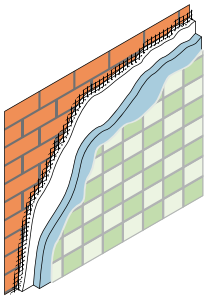
Façade renovation

For façade reconstruction of old buildings with a typically mixed masonry substrate or a very uneven substrate our ADFORS Vertex® fabrics are highly recommended to achieve an easily flat surface and avoid a standard non comfort solution of metal grids. For this application thick mortar is usually used. This requires having very open but strong mesh which can anchor and support the mortar to be applied easily and adhere correctly.

Typical meshes: G 96, G 120, R 108



Tile finishes

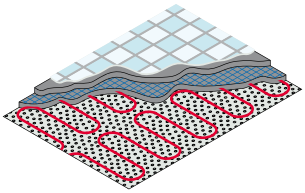


Tile finishes are popular solutions for both façades and internal walls. Tiles are generally very sensitive to the substrate quality. In order to absorb the tension, which is present during the whole life time of the building, it is recommended to use ADFORS Vertex® fiberglass mesh fabric.

Typical meshes: R 267 (façades), R 131 (interior)

Special

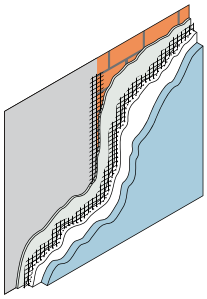
Floor heating



Electrical floor heating mats offer warm comfort. This system offers floor heating without the complex installation of heating components. The advantages of this system are: relatively cheap heating mat installation, almost no maintenance expenses and effectiveness. Electrical wiring is attached to ADFORS Vertex® glass fibre mesh belts. The use of glass fibre belts with a self-adhesive coating on one side makes the installation even easier.

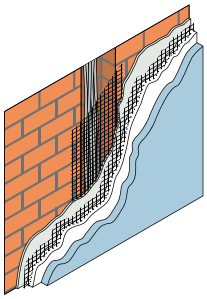
Typical meshes: R 72, R 108

Double reinforcement



Joints between two different substrates

When two different materials meet one another, there is a risk that the render will crack. In order to absorb the tension, it is recommended that an additional strip of ADFORS Vertex® glass fibre mesh is applied over the joint.



Installation of cables and pipes

The area, where the channels for water or gas pipes and electrical wiring are installed, is a potential source of crack development. Therefore it should be covered by an additional strip of ADFORS Vertex® glass fibre mesh.

ADFORS Vertex® Mesh for non construction applications

Mosaic reinforcement

For an easy manipulation and application of mosaics, self-adhesive ADFORS Vertex® Mesh fabrics are used for support.

Marble slab reinforcement

Glass fibre mesh fabric is also used in the large scale marble processing industry. When a large marble slab is made, ADFORS Vertex® glass fibre mesh is bonded on one side of the slab. This process prevents marble slab damage during manipulation and further processing. To assure strong adhesion, ADFORS Vertex® Mesh fabrics with a special surface treatment (marked A105) are used.

Special

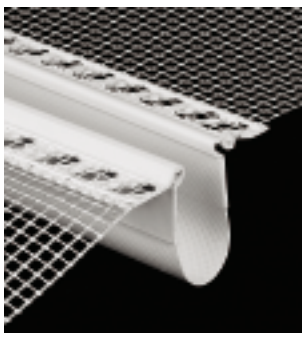
Lightweight construction boards

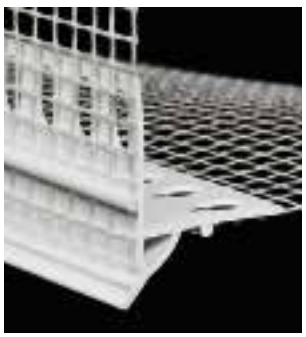
Construction boards reinforced on both sides by ADFORS Vertex® glass fibre mesh are successfully used in the building industry. They can be used on different kinds of houses partitions, bathtubs, showers, swimming pools, walls, pipe covers etc.



Profiles

Profiles are an important element of ETICS used for reinforcing all window or door corners, edges and jambs. They are produced either from a PVC or aluminium part which is combined with ADFORS Vertex® glass fibre mesh fabric.





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