

Tender specification

Niesen 3%

Color 100

Design: Alfredo Häberli

Product description

Niesen has a remarkably clear view through for a 3% openness screen. It has an aluminium coating which provides a high degree of control over glare while reducing the need for cooling systems and the associated energy consumption.

Composition: 100% Polyester

Openness factor: 3%

Width: 275 cm

Weight: 210g/m²

Thickness 0,41 mm

Warranty

The textile comes with a 5 years product guarantee and complies with all the relevant legislation, regulations and standards. Improper cleaning, outdoor use, treatment with chemically aggressive agents, and external influences (incl. damage, insects, polluted condensation) do not fall within the scope of the warranty.

Care

Use a damp cloth to clean the textile. The use of neutral soap is possible. Avoid aggressive detergents to clean the metalized side. Can also be brushed or carefully vacuumed (reduced suction power) with a brush nozzle. In case of considerable staining, we recommend contacting a professional dry cleaner.

Flame resistance

BS5867 Part 2 type B

DIN 4102 B1

EN13501 B-s1, d0

NFPA 701

Solar optical properties (EN 14500:2008)

Visual Light Transmission 4%

Solar Reflection 74%

Solar Absorption 22%

Thermal performance (EN 14501, based on reference glazing D)

G-value (SHGC) in %: 16%

U-value in W/m²K: 0.80

Total Light Transmission: 4%

IR Emissivity outdoor 0,21

IR Emissivity indoor 0,85

Visual comfort classifications (EN 14501:2019)

Glare control Class 3

Night privacy Class 2

Visual contact outside Class 2

Daylight utilization Class 1

Lightfastness (ISO 105-B02, method 2)

Outside: 8 (ISO 1-8)

Inside: 7 (ISO 1-8)

**View through rate (ITA RWTH Aachen University)
Excellent visibility**

Sustainability

Certificates:

Greenguard + Greenguard Gold

Health Product Declaration

Environmental Product Declaration

PVC-free

REACH-compliant

Tender specification

Niesen 3%

Color 120

Design: Alfredo Häberli

Product description

Niesen has a remarkably clear view through for a 3% openness screen. It has an aluminium coating which provides a high degree of control over glare while reducing the need for cooling systems and the associated energy consumption.

Composition: 100% Polyester

Openness factor: 3%

Width: 275 cm

Weight: 210g/m²

Thickness 0,41 mm

Warranty

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Flame resistance

BS5867 Part 2 type B
DIN 4102 B1
EN13501 B-s1, d0
NFPA 701

Solar optical properties (EN 14500:2008)

Visual Light Transmission	4%
Solar Reflection	74%
Solar Absorption	22%

Thermal performance (EN 14501, based on reference glazing D)

G-value (SHGC) in %:	16%
U-value in W/m ² K:	0.80
Total Light Transmission:	4%

IR Emissivity outdoor 0,21

IR Emissivity indoor 0,85

Visual comfort classifications (EN 14501:2019)

Glare control	Class 3
Night privacy	Class 2
Visual contact outside	Class 2
Daylight utilization	Class 1

Lightfastness (ISO 105-B02, method 2)

Outside:	8 (ISO 1-8)
Inside:	6 (ISO 1-8)

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Excellent visibility

Sustainability

Certificates:

Greenguard + Greenguard Gold
Health Product Declaration
Environmental Product Declaration

PVC-free

REACH-compliant

Tender specification

Niesen 3%

Color 180

Design: Alfredo Häberli

Product description

Niesen has a remarkably clear view through for a 3% openness screen. It has an aluminium coating which provides a high degree of control over glare while reducing the need for cooling systems and the associated energy consumption.

Composition: 100% Polyester

Openness factor: 3%

Width: 275 cm

Weight: 210g/m²

Thickness 0,41 mm

Warranty

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DIN 4102 B1
EN13501 B-s1, d0
NFPA 701

Solar optical properties (EN 14500:2008)

Visual Light Transmission	3%
Solar Reflection	74%
Solar Absorption	23%

Thermal performance (EN 14501, based on reference glazing D)

G-value (SHGC) in %:	16%
U-value in W/m ² K:	0.80
Total Light Transmission:	2%

IR Emissivity outdoor 0,21

IR Emissivity indoor 0,85

Visual comfort classifications (EN 14501:2019)

Glare control	Class 3
Night privacy	Class 2
Visual contact outside	Class 2
Daylight utilization	Class 1

Lightfastness (ISO 105-B02, method 2)

Outside:	8 (ISO 1-8)
Inside:	4 (ISO 1-8)

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Sustainability

Certificates:

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REACH-compliant

Tender specification

Niesen 3%

Color 190

Design: Alfredo Häberli

Product description

Niesen has a remarkably clear view through for a 3% openness screen. It has an aluminium coating which provides a high degree of control over glare while reducing the need for cooling systems and the associated energy consumption.

Composition: 100% Polyester

Openness factor: 3%

Width: 275 cm

Weight: 210g/m²

Thickness 0,41 mm

Warranty

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EN13501 B-s1, d0
NFPA 701

Solar optical properties (EN 14500:2008)

Visual Light Transmission	3%
Solar Reflection	74%
Solar Absorption	23%

Thermal performance (EN 14501, based on reference glazing D)

G-value (SHGC) in %:	16%
U-value in W/m ² K:	0.80
Total Light Transmission:	2%

IR Emissivity outdoor 0,21

IR Emissivity indoor 0,85

Visual comfort classifications (EN 14501:2019)

Glare control	Class 3
Night privacy	Class 2
Visual contact outside	Class 2
Daylight utilization	Class 1

Lightfastness (ISO 105-B02, method 2)

Outside:	8 (ISO 1-8)
Inside:	4-5 (ISO 1-8)

View through rate (ITA RWTH Aachen University)
Excellent visibility

Sustainability

Certificates:

Greenguard + Greenguard Gold
Health Product Declaration
Environmental Product Declaration

PVC-free

REACH-compliant

Tender specification

Niesen 3%

Color 240

Design: Alfredo Häberli

Product description

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Thermal performance (EN 14501, based on reference glazing D)

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U-value in W/m²K: 0.80

Total Light Transmission: 3%

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IR Emissivity indoor 0,85

Visual comfort classifications (EN 14501:2019)

Glare control Class 3

Night privacy Class 2

Visual contact outside Class 2

Daylight utilization Class 1

Lightfastness (ISO 105-B02, method 2)

Outside: 8 (ISO 1-8)

Inside: 6-7 (ISO 1-8)

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