

# 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/m<sup>2</sup>

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/m<sup>2</sup>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: 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/m<sup>2</sup>**

**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/m<sup>2</sup>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)**

**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 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/m<sup>2</sup>**

**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 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<sup>2</sup>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)**

**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 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/m<sup>2</sup>

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 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<sup>2</sup>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

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/m<sup>2</sup>**

**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.

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**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<sup>2</sup>K: 0.80**

**Total Light Transmission: 3%**

**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: 6-7 (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**

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