Veilish

Self-adhesive textile for glass and window decoration – Veilish

ARCHITECT'S SPECIFICATIONS

European version SENTEC/V1.1

1. GENERAL

1.1 Summary

Veilish is a self-adhesive semi-transparent polyester fabric for covering windows. While reducing sunlight and temperature in the room, it will provide indoor privacy without blocking the view outdoors. The product is digitally printable with the latest inkjet printers.

Veilish is available in the following colours:

- White
- Rose Grey
- Black

Physical properties

Material:

- 100% woven polyester fabric
- Water based acrylic adhesive
- Polyester liner

Weight:

- Fabric weight   95 g/m2
- Liner weight   105 g/m2
- Total weight   200 g/m2

Thickness:

- Thickness fabric   245 µ
- Thickness liner   105 µ
- Total thickness   350 µ

Dimensions:

- Media width   1370 mm
- Media length   10m, 15m, 30m

Thermal properties

	Veilish White	Veilish Rose grey	Veilish Black
Visible light reflected	40%	24%	13%
Visibile light transmitted	58%	47%	35%
Visible light absorbed	4%	32%	58%
Solar energy reflected	45%	30%	19%
Solar energy transmitted	56%	50%	39%
Solar energy absorbed	7%	23%	28%
Cooling effect	-3.3℃	-0.6℃	-0.1℃

Your contractor can offer you support and provide samples to assist you in your colour selection.

Visible light reflected: Percentage of visible light reflected from the product.

0%———100%
non-reflective   *mirror-like*

Visible light transmitted: Percentage of visible light allowed to pass through the product.

0%———100%
dark   *high natural light*

Visible light absorbed: Percentage of visible light that is absorbed by the product.

0%———100%
low absorption   *high absorption*

Solar energy reflected: Percentage of solar energy reflected from the product.

0%———100%
non-reflective   *mirror-like*

Solar energy transmitted: Percentage of solar energy allowed to pass through the product.

0%———100%
dark   *high natural light*

Solar energy absorbed: Percentage of solar energy that is absorbed by the product.

0%———100%
low absorption   *high absorption*

Optical properties

	Veilish White	Veilish Rose grey	Veilish Black
Fabric openness factor	15%	17%	19%
Transparency factor	2	2	3

Fabric openness factor: Percentage of light that filters through the fabric and level of transparency and privacy.

Transparency factor: Index for privacy effect and visual contact with the outside.

0	1	2	3	4
Very small effect	Small effect	Moderate effect	High effect	Very high effect

Veilish is semi-transparent and will provide indoor privacy without blocking the view outdoors.

1.2 Inkjet print compatibility

Veilish is compatible with a wide range of inkjet print technologies:

- Eco-Solvent
- Latex
- UV-cure
- UV-gel

Best results of printed graphics are achieved with Veilish White.

The material is certified for HP Latex printers, settings and profiles are available through the HP website. Due to the large varierty of printers and newly developed printing platforms it is recommended to carry a test for each specification.

Resistance to chemicals after printing

- Depending on print technology, consult the ink and/or printer manufacturer.

1.3 Digital cutting

Veilish can be (kiss) cut with a variety of digital controlled flat-bed cutters. Application tape can be used to apply complex shapes. A product with a higher tack is recommended, due to the large variety of product, a test before large scale use is recommended.

2.1 Available documentation:

- REACH declaration
- Technical Datasheet
- Application guidelines

3.1 Application guidelines:

Project recommendations:

Project recommendations and application guidelines for Veilish self-adhesive window textile are similar to projects using traditionally window films. However special care must be taken when peeling the fabric.

Application areas

Veilish can be mounted on smooth and flat surfaces such as glass, polished stainless steel and lacquered surfaces.

Adhesive

- The product is self-adhesive, no additional adhesive is required.

Limitation of use

- Outdoor
- Wet conditions

It is not recommended to use the product in wet conditions or a high risk for condensation, it may lose its adhesive properties. Veilish has a repositionable adhesive which means that during mounting it can be repositioned. Once mounted, do not remove the product. The adhesive will lose its strength, it may not be possible to re-apply the products.

Thermal stress

Under normal conditions Veilish does not cause stress in windows, however thermal stress may occur in windows when Veilish is printed with dark colours and/or with uneven exposure to direct sunlight. Very dark printed graphics and the black version of Veilish are not recommended for HR++(+) windows. Faulty installation, spot heating or uneven exposure to strong sunlight may cause cracks.

Project Guidelines

- When starting a larger project it recommended to carry out a test in a realistic situation.
- Supply the installer with the correct application guidelines.
- If printed, first check the material on colour consistency, colour and image registration and size.
- Notify the contractor if any damage or other defect is found.

Product Delivery, Storage and Handling

Deliver the product to the installation site in good order and undamaged, preferably in its original packaging to prevent pressure marks. Store the material under normal conditions (10°C – 35°C at a relative humidity 35% - 55%). Higher humidity and/or temperature may affect the product performance. Be sure that unused material stays tightly wound on its original core to prevent tunnelling.

Maintain constant environmental conditions for at least 48 hours prior to, throughout the installation period and for 48 hours after completing the project. Quick or uneven drying may result in adhesive failure. Provide sufficient lightning during the installation process.

Mounting

- The mounting surface must be dry and at least 10 degrees Celsius to guarantee good adhesion.
- Measure the size of the surface to be covered and cut the material approximately 10 cm larger in size.
- Peel back the first 10-15 cm of the liner from the fabric, be sure not to distort or stretch the fabric.
- Apply the fabric from top to bottom by slowly peeling back the release liner. Use firm and consistent pressure with a squeegee or rubber roller to adhere the product to the glass surface.
- Cut away excess material with a ruler and a sharp knife, be careful not to damage rubber seals.
- Large surfaces can be covered with Veilish. The best result with a practically invisible seam can be achieved by first applying the panels to the window with an overlap and making a cut through the overlap with a sharp knife. Be sure not to damage the window. This can be prevented by first applying a strip of Veilish under the seam as a third layer. After cutting remove the excess material.

Cleaning

Do's and don'ts:

- Dust can be removed with a lint free cloth or a vacuum cleaner with a brush, be sure that the brush is clean.
- If dust particles do not come off easily, a sticky roller/lint remover as used for clothing can be used.
- Light stains such as mud can be removed with water and a microfiber cloth.
- Heavier stains can often be removed with a water based/solvent free cleaning solution. Due to the large variety it is recommended to test the product on a small area.
- Do not clean Veilish with a wet sponge, steam or water jet, it may lose its adhesive properties

- Do not remove the product and/or wash it, the adhesive will lose its strength and cannot be re-applied.
- If a window is partly covered with Veilish, clean the part that is not covered with Veilish with a microfiber cloth and a window cleaning solution such as Glassex. Be sure not to us an excessive amount of Glassex, it may leave stains on the fabric.

Removal

Veilish can be removed easily by lifting a corner and pulling the fabric back. The fabric cannot be used for this purpose any more after removal. Some adhesive may stay behind after removal. This can be easily removed.

3.2 Clean-up Completion

Upon completion of the work, remove all surplus materials, rubbish and debris resulting from the installation. Leave areas in neat clean and orderly condition.

--END OF SECTION--