

VEDAFLEX SIL

Neutral Silicone Sealant

VEDAFLEX SIL is a neutral, single-component, alkoxy silicone elastomer that cures with ambient moisture. It is resistant to UV rays, rain, and extreme temperatures while maintaining high elasticity and has excellent adhesion properties on many substrates.

ADVANTAGES

- High-quality silicone with excellent elasticity.
- Excellent adhesion without primer on most materials used in façades.
- Compatible with many insulating glass and laminated glass components. Please consult us.
- Very easy to extrude at all temperatures.
- Mild odour.
- UV and weather resistant.

APPLICATIONS

VEDAFLEX SIL is designed to create waterproof joints that comply with current NF DTU specifications:

- Perimeter joints between joinery and masonry.
- Joints between lightweight façade elements.
- Expansion joints between concrete elements.
- Sealing joints on many other common building materials (anodised aluminium, PVC, glass).
- Mirror seals: glazing joints, edge-to-edge glazing.

APPROVALS AND STANDARDS

- EN 15651-1 : F EXT-INT CC 25 LM
- EN 15651-2 : G-CC 25LM
- ISO 11600 F 25 LM – G 25 LM
- Deformation capacity up to 50% (EN ISO 8339)

TECHNICAL CHARACTERISTICS

Characteristics	Standards	Values
Reaction system		Alkoxy - neutral polymerisation
Density	DIN 52 451	1,39
Skin formation time ^{***}		25 - 35min.
Polymerisation speed ^{**}		After 24 hours: approx. 1.5 mm, then: approx. 1 mm/24 hours.
Maximum permissible deformation	ISO 11600 EN ISO 8339	25% 50% (Test report CEBTTP N° BEB6.E.3007-1)
Shore A hardness	EN ISO 868	24
100% elasticity module	EN ISO 8339	0.4N/mm ²
Tensile strength	EN ISO 8339	0,50N/mm ²
Elongation at break	EN ISO 8339 DIN 53504 S2	approx. 250% approx. 600%
Elastic rebound	EN ISO 7389	> 90%
Application temperature		+5°C to +40°C
Temperature resistance		-40°C to +150°C

*At +23°C and 50% relative humidity - **When applied at low temperatures, skin formation and polymerisation times are extended.

PACKAGING AND STORAGE

VEDAFLEX SIL is supplied in 310ml cartridges (or 400ml sachets on request). Store in its original sealed packaging in a cool, dry place, between +5°C and +25°C. The shelf life is 12 months.

COLORS

 Alu grey RAL 7001 IN STOCK	 Ice floe RAL 9003	 White Ibiza RAL 9010	 White RAL 9016	 Ivory RAL 1015	 Stone RAL 1013	 Grey RAL 7047	 Stone grey RAL 7035	 Concrete grey RAL 7038	 Anthracite RAL 7016	 Golden oak RAL 8001	 Brown RAL 8025	 Bronze RAL 8014	 Black RAL 9004	 Umber grey RAL 7022
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Upon request

Certified management system



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DECLARATION OF PERFORMANCE

According Annex III of the regulation (EU) N° 305/2011

Vedaflexsil-20140408

1. Unique identification code of the product-type:

Vedaflexsil

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Vedaflexsil, batch number: see packaging of the product

3. Intended use/es:

Sealant for façade for interior and exterior application (intended for use in cold climates) EN 15651-1:2012
F-EXT-INT-CC 25LM

Sealant used for sealing glazing applications (intended for use in cold climates) EN 15651-2 G-CC 25LM

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)

GV2 VEDA FRANCE
20 Allée de érables, Bat E
FR-93420 Villepinte

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)

Not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3 for the type testing and System 3 for the reaction to fire

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body SKZ - TeConA GmbH, D-97076 Würzburg, Friedrich-Bergius-Ring 22, identification number 1213, performed the type testing under system 3 according to EN 15651 part 1 and 2 and issued a test report.

The notified body SKZ - TeConA GmbH, D-97076 Würzburg, Friedrich-Bergius-Ring 22, identification number 1213, performed the testing of the reaction to fire under system 3 according to EN 15651 and issued a test report.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance/s

EN 15651-1 F-EXT-INT-CC 25LM

Conditioning: Method A

Substrate: Aluminium w/o Primer

Essential Characteristics	Performance	Harmonised technical specification
REACTION TO FIRE (EN 13501)	Class E	EN 15651-1: 2012
RELEASE OF CHEMICALS DANGEROUS TO THE ENVIRONMENT AND HEALTH	NPD	EN 15651-1: 2012
WATER TIGHTNESS AND AIR TIGHTNESS		
Resistance to flow (EN ISO 7390)	$\leq 3\text{mm}$	EN 15651-1: 2012
Loss of volume (EN ISO 10563)	$\leq 10\%$	EN 15651-1: 2012
Tensile properties (i.e. at maintained extension after immersion in water at 23°C) (EN ISO 10590)	NF	EN 15651-1: 2012
Tensile properties (i.e. secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8339)	$\leq 0,9 \text{ N/mm}^2$	EN 15651-1: 2012
Tensile properties (i.e. at maintained extension) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8340)	NF	EN 15651-1: 2012
DURABILITY (EN ISO 8340, EN ISO 9047, EN ISO 10590)	Pass	EN 15651-1: 2012

EN 15651-2 G-CC 25LM

Conditioning: Method A

Substrate: Aluminium w/o Primer

Essential Characteristics	Performance	Harmonised technical specification
REACTION TO FIRE (EN 13501)	Class E	EN 15651-2: 2012
RELEASE OF CHEMICALS DANGEROUS TO THE ENVIRONMENT AND HEALTH	NPD	EN 15651-2: 2012
WATER TIGHTNESS AND AIR TIGHTNESS		
Resistance to flow (EN ISO 7390)	≤ 3mm	EN 15651-2: 2012
Loss of volume (EN ISO 10563)	≤ 10%	EN 15651-2: 2012
Adhesion/cohesion properties after exposure to heat, water and artificial light (EN ISO 11431)	NF	EN 15651-2: 2012
Elastic recovery (EN ISO 7389)	≥ 60 %	EN 15651-2: 2012
Tensile properties (i.e. secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8339)	≤ 0,9 N/mm ²	EN 15651-2: 2012
Tensile properties (i.e. at maintained extension) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8340)	NF	EN 15651-2: 2012
DURABILITY (EN ISO 8340, EN ISO 9047, EN ISO 10590)	Pass	EN 15651-2: 2012

NF = no failure according to ISO 11600

NPD = No performance declared

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Villepinte, 22.05.2025

L. Randé, Technical Director

Annex:

According to Art. 6 (5) of the Regulation (EU) No. 305/2011 a Safety Data sheet according Regulation (EU) No. 1907/2006 (REACH), Annex II is available on the website to support this Declaration of Performance

DECLARATION OF PERFORMANCE

According Annex III of the regulation (EU) N° 305/2011 as it has effect in the United Kingdom in respect of Great Britain.

Vedaflexsil-20140408

1. Unique identification code of the product-type:

Vedaflexsil

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Vedaflexsil, batch number: see packaging of the product

3. Intended use/es:

Sealant for façade for interior and exterior application (intended for use in cold climates) EN 15651-1:2012 F-EXT-INT-CC 25LM

Sealant used for sealing glazing applications (intended for use in cold climates) EN 15651-2 G-CC 25LM

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)

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20 Allée de érables, Bat E
FR-93420 Villepinte

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)

Not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3 for the type testing and System 3 for the reaction to fire

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body 4ward Testing Ltd, 5 Hampers Common Industrial Estate, Petworth, West Sussex GU28 9 NR, England, identification number 2538, performed the type testing under system 3 according to EN 15651 part 1, 2 and 3 and issued a test report.

The notified body 4ward Testing Ltd, 5 Hampers Common Industrial Estate, Petworth, West Sussex GU28 9 NR, England identification number 2538, performed the testing of the reaction to fire under system 3 according to EN 15651 and issued a test report.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance/s

EN 15651-1 F-EXT-INT-CC 25LM

Conditioning: Method A

Substrate: Aluminium w/o Primer

Essential Characteristics	Performance	Harmonised technical specification
REACTION TO FIRE (EN 13501)	Class E	EN 15651-1: 2012
RELEASE OF CHEMICALS DANGEROUS TO THE ENVIRONMENT AND HEALTH	NPD	EN 15651-1: 2012
WATER TIGHTNESS AND AIR TIGHTNESS		
Resistance to flow (EN ISO 7390)	≤ 3mm	EN 15651-1: 2012
Loss of volume (EN ISO 10563)	≤ 10%	EN 15651-1: 2012
Tensile properties (i.e. at maintained extension after immersion in water at 23°C) (EN ISO 10590)	NF	EN 15651-1: 2012
Tensile properties (i.e. secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8339)	NPD	EN 15651-1: 2012
Tensile properties (i.e. at maintained extension) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8340)	NPD	EN 15651-1: 2012
DURABILITY (EN ISO 8340, EN ISO 9047, EN ISO 10590)	Pass	EN 15651-1: 2012

EN 15651-2 G-CC 25LM

Conditioning: Method A

Substrate: Aluminium w/o Primer

Essential Characteristics	Performance	Harmonised technical specification
REACTION TO FIRE (EN 13501)	Class E	EN 15651-2: 2012
RELEASE OF CHEMICALS DANGEROUS TO THE ENVIRONMENT AND HEALTH	NPD	EN 15651-2: 2012
WATER TIGHTNESS AND AIR TIGHTNESS		
Resistance to flow (EN ISO 7390)	≤ 3mm	EN 15651-2: 2012
Loss of volume (EN ISO 10563)	≤ 10%	EN 15651-2: 2012
Adhesion/cohesion properties after exposure to heat, water and artificial light (EN ISO 11431)	NF	EN 15651-2: 2012
Elastic recovery (EN ISO 7389)	≥ 60 %	EN 15651-2: 2012
Tensile properties (i.e. secant modulus) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8339)	NPD	EN 15651-2: 2012
Tensile properties (i.e. at maintained extension) for non-structural low modulus sealants used in joints in cold climate areas (-30°C) (EN ISO 8340)	NPD	EN 15651-2: 2012
DURABILITY (EN ISO 8340, EN ISO 9047, EN ISO 10590)	Pass	EN 15651-2: 2012

NF = no failure according to ISO 11600

NPD = No performance declared

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Villepinte, 22.05.2025

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