LEED® COMPLIANCE DOCUMENT

22/03/2023

IT01-23032301; IT02-23032302;
IT02-23032303; IT05-23032305;
IT02-23032308; IT02-23032310;
IT02-23032307;IT02-23032309;
IT02-23032311;IT02-23032312

Fire Doors
Interior/Metal Doors

Although Qualitynet believes that the products examined can contribute to a LEED® certification, it should be remembered that, worldwide, only GBCI (Green Business Certification Inc) can assign scores and issue a LEED certificate. Recalling that the LEED rating system certifies the building and not the materials, Qualitynet does not express any guarantee on the achievement of the final score of the building.

Dott.ssa Iris Visentin LEED AP BD&C

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NOVOFERM SCHIEVANO SRL

ENVIRONMENT AND SUSTAINABILITY

1. OUR HISTORY

Present in the metal closures market since 1957, since 1981 Novoferm Schievano srl has turned to the production of fire resistant closures in a reality oriented towards constant technological improvement. Our commitment is to develop ever-increasing production quality thanks to an efficient industrial organization system and the expertise and experience of highly qualified personnel.

Our headquarters in Camposampiero (Padua), active since 1995, is equipped with cutting-edge systems for the production and design of industrial and civil doors and windows, to best meet the demands of an increasingly demanding market.

In 1996 the company was taken over by Novoferm Gmbh (Germany), which integrated the series of fire doors with the range of industrial doors.

PRODUCTION

Our products satisfy the most complex construction requirements in a vast area of use: from industrial and commercial buildings, to buildings for agricultural and residential use and to recreational structures.

Technology, experience and a complete range of certifications come together in products manufactured at the highest levels and in compliance with current legislation. Today Novoferm Schievano is a reality with a strong industrial vocation, known and appreciated in the Italian and international market. In Italy, the company collaborates with a trusted network of resellers and agents who provide professionalism and experience in compliance with price transparency, offering an excellent quality/price ratio and the use of equipment and specialized personnel for the complete management of construction sites.

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NOVOFERM SCHIEVANO SRL IN THE WORLD

NOVOFERM SCHIEVANO SRL is part of the Sanwa group, a company founded in 1956 which, with over 8,700 employees and a total annual turnover of more than 2 billion euros generated by sales in over 60 countries, is today the world's leading manufacturer of metal locking systems , thanks to a complete range of products including industrial doors, fire doors, garage doors, rolling shutters and automation devices. Our products, used all over the world for industrial, commercial and residential applications, are the result of more than thirty years of exclusive experience in the varied sector of access systems for different types of buildings. Through a wide choice of models, finishes, drive systems and mounting solutions, we are able to always offer the "tailor-made" response to your needs, taking care of the entire process: from technical consultancy to the development of the most suitable solution , to production, assembly, on-site assistance. Without ever neglecting any aspect of the project, including full compliance with all standards and laws in force, thus allowing you to save a significant amount of work. In addition to industrial doors, doors with draft excluders and fire doors, we also produce a complete range of loading bays which, thanks to the modern technology of our solutions for dock levellers and dock shelters, guarantee the loading and unloading of efficient and draught-free trucks.

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Certification

COMPANY CERTIFICATIONS

ISO 9001:2015 CERTIFICATO N. 849

ISTITUTO GIORDANO

ISO 9001:2015 certificato n° 849 Istituto Giordano spa

CQOP SOA

COSTRUTTORI QUALIFICATI OPERE PUBBLICHE

CQOP SOA Cat. OS6 II attestato n° 64880/10/00

For more information see the following link:

https://www.novoferm.it/azienda/certificazioni/

PRODUCT CERTIFICATIONS

D.O.P. BRACCETTO SELETTORE DI CHIUSURA

IT
Filesize: 184 KB
Download:
PDF version

EN
Filesize: 183 KB
Download:
PDF version

D.O.P. MANIGLIONI ANTIPANICO NOVOPUSH - NOVOGUARD

IT
Filesize: 277 KB
Download:
PDF version

EN
Filesize: 193 KB
Download:
PDF version

For more information see the following link:

https://www.novoferm.it/download/certificati/

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2. NOVOFERM SCHIEVANO SRL PRODUCTS

FIRE DOORS

NOVOFERM SCHIEVANO SRL fire doors: flexible, long-lasting and elegant.
For many years Novoferm Schievano has been building fire doors capable of responding to increasingly demanding quality standards. In addition to designing closures in compliance with the law, Novoferm Schievano is able to satisfy the most diversified needs of the building market. The wide choice of finishes, the creation of customized products, the numerous customizations, the service offered to professionals in the sector, make Novoferm Schievano the company that responds effectively to the needs of its customers.
Furthermore, being part of Novoferm International, the company is able to always have the most modern products available in the field of technical closures, with the highest level in terms of quality, safety, comfort and design

DESIGN AND PRODUCTION ACCORDING TO THE STANDARD

Since the 1950s, Novoferm Schievano has been designing high-tech doors. It produces them in compliance with the quality standards required by the ISO 9001:2008 Certification and applies a strict internal production control protocol.

TYPES OF FIRE DOORS:

Hinged fire doors: these are doors that can be based on a single or double leaf. Their construction features include the use of materials designed for high resistance to flames: thick fireproof steel structure, insulating panel and heat-expanding perimeter gaskets, fireproof handles and lock. In the case of glazed doors, the applied glass complies with current fire safety standards.
Sliding fire doors: suitable for closing off large industrial environments, this typology foresees, like the other, the use of steel or metal alloys with high thickness and heat resistance. In addition to the structure, the frame, hinges, handles and locks are also made of fireproof material with high heat resistance. Furthermore, safety is guaranteed by the presence of gaskets that block the passage of air, resisting fire.
For more information https://www.novoferm.it/prodotti/chiusure-tagliafuoco/

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Interior / metal doors

INTERIOR DOORS

Our interior doors, extremely versatile and customizable in various colors and materials, find easy and optimal use in rooms exposed to the public, but also in hospitals, laboratories, humid environments or in the presence of corrosive agents.
For more information:

https://www.novoferm.it/prodotti/porte-per-interni-/-metalliche/porte-per-interni/

METALLIC DOORS

In this section you will find steel doors also called metal doors, resistant and safe; or the finned doors, designed to ensure optimal airflow. In line with the rest of the NOVOFERM SCHIEVANO SRL products it has high standards of quality and durability.
For more information:
https://www.novoferm.it/prodotti/porte-per-interni-/-metalliche/porte-metalliche/

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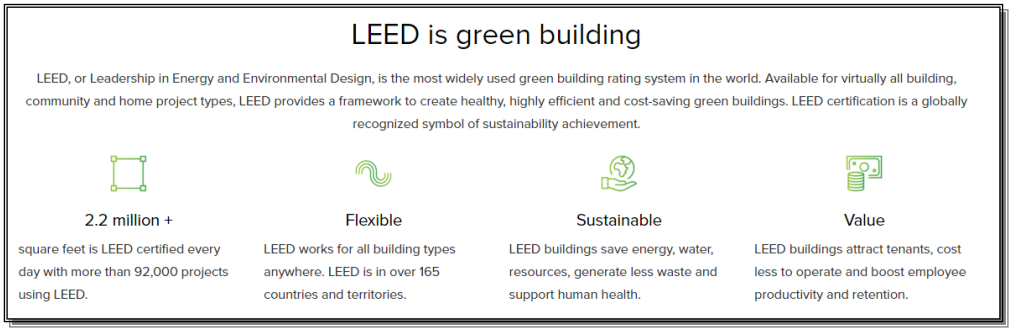
3. LEED® RATING SYSTEM

Sources: USGBC, GBC ITALIA

LEED® - Leadership in Energy and Environmental Design - is a building certification system that was created on a voluntary basis and is applied in over 140 countries around the world. The LEED standard was born in America by the U.S. Green Building Council (USGBC), a non-profit association founded in 1993, which currently has more than 20,000 members and which aims to promote and develop a global approach to sustainability, recognizing virtuous performance in key areas of health human and environmental.

The LEED® standards, developed by the USGBC, indicate the requirements for constructing environmentally sustainable buildings, both from an energy point of view and from the point of view of the consumption of all environmental resources involved in the construction process.

LEED® is a voluntary and consensus-based system for the design, construction and management of sustainable buildings and high-performance land areas and which is increasingly developing internationally; it can be used on any type of building and promotes an integrated design system that concerns the entire building.



www.usgbc.org

The certification constitutes an independent third-party verification of the performance of an entire building (or part of it) and/or urban areas. The internationally recognized LEED® certification affirms that a building is environmentally friendly and that it is a healthy place to live and work.

Working on the entire process, from design to actual construction, LEED® requires a holistic approach under penalty of not achieving the set objectives. Only with an extensive integrated design and coordination effort can a harmonious building be created in all the above mentioned areas.

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The competitive advantages for those who adopt the LEED® standards, whether they are professionals or companies, can be identified above all in the great final quality of the product (building), in the considerable savings in management costs that these buildings allow to obtain if compared with traditional buildings and in certification by a third party.

LEED® certification, in fact, provides the market with a shared approach on which to base choices and a measurable standard for each aspect dealt with.

The LEED® rating system is structured in a set of protocols (manuals) according to the type of building to be certified. We will therefore have a protocol that certifies new buildings and major renovations (LEED Nuove Costruzioni, LEED NC, LEED BUILDING DESIGN AND CONSTRUCTION LEED BD+C), a protocol for school buildings (LEED FOR SCHOOLS), a protocol that certifies retail and the interior of a building (LEED COMMERCIAL INTERIOR and LEED RETAIL), a protocol that certifies existing buildings (LEED EXISTING BUILDING OPERATION AND MAINTENANCE, LEED EBOM), a protocol that certifies sets of buildings, e.g. neighborhoods (LEED FOR NEIGHBORHOOD), and so on.

The setup of all these protocols is the same in the sense that they are all organized into the same areas or chapters, which they are:

- Location and Transportation (LT)
- Sustainable Sites (SS)
- Water Efficiency (WE)
- Energy and Atmosphere (EA)
- Materials and Resources (MR)
- Indoor Air Quality (IAQ)

For completeness, there are two other areas / chapters, which however concern aspects more related to the certification process:

- Regionality: higher scores (points) are given to credits in certain geographical areas due to the strong relationship between the territorial context and credit requirements;
- Innovation in planning: aspects are valued which either in the specific protocol are not considered but are present in the other protocols, or a higher score is given for exemplary performance in some credits of the protocol. Everything is regulated precisely by the text of the manuals.

All of these areas/chapters contain prerequisites and credits. The prerequisites are mandatory and do not give a score, while the credits can be chosen or not by the design team but are those that give the score, which must be achieved to obtain the certification level defined as an objective by the certification.

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The prerequisites and credits cover all aspects of a building, from systems, to design details, soil permeability, potable water consumption, the site's relationship with servants near the building or the availability of public transport. Some of these also concern materials, in the sense that materials have characteristics that help the building comply with certain requirements defined in the prerequisites and protocols.

What has been done in this document was, in the first place, to identify the possible credits that could relate to the NOVOFERM SCHIEVANO SRL products considered in the project, on the other hand to verify their characteristics and documentation in line with what is required in the requirements. The credits to which the products can contribute are explained in the following paragraphs.

The LEED® rating system certifies the building, it does not certify the individual products or components of the building, but the latter can contribute to meeting the requirements required by the protocol and consequently to obtaining the relative scores for the building.

This also implies that the product CANNOT have a score, the score is always and only of the building, but it can help the building to obtain the score.

As already mentioned, the excellence of NOVOFERM SCHIEVANO SRL in relation to LEED® credits will be illustrated in the following paragraphs. As described earlier in the text, all the protocols are structured in the same areas, and for the most part the credits are the same or similar. In this work, for clarity and to avoid unnecessary repetitions (and which could create confusion), the LEED NC NEW CONSTRUCTION V4 protocol has been taken as a reference, inserting all the credits of this protocol that could concern NOVOFERM SCHIEVANO SRL products taken into consideration by this document. Credits from other protocols were then added, and therefore not present in LEED NC V4, but which in any case concern NOVOFERM SCHIEVANO SRL products.

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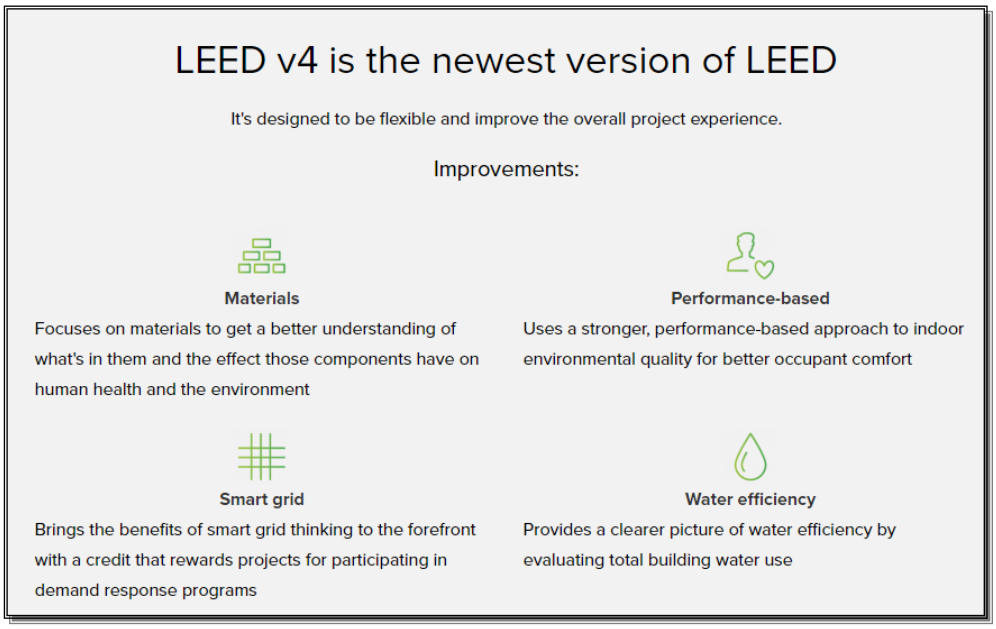

www.usgbc.org

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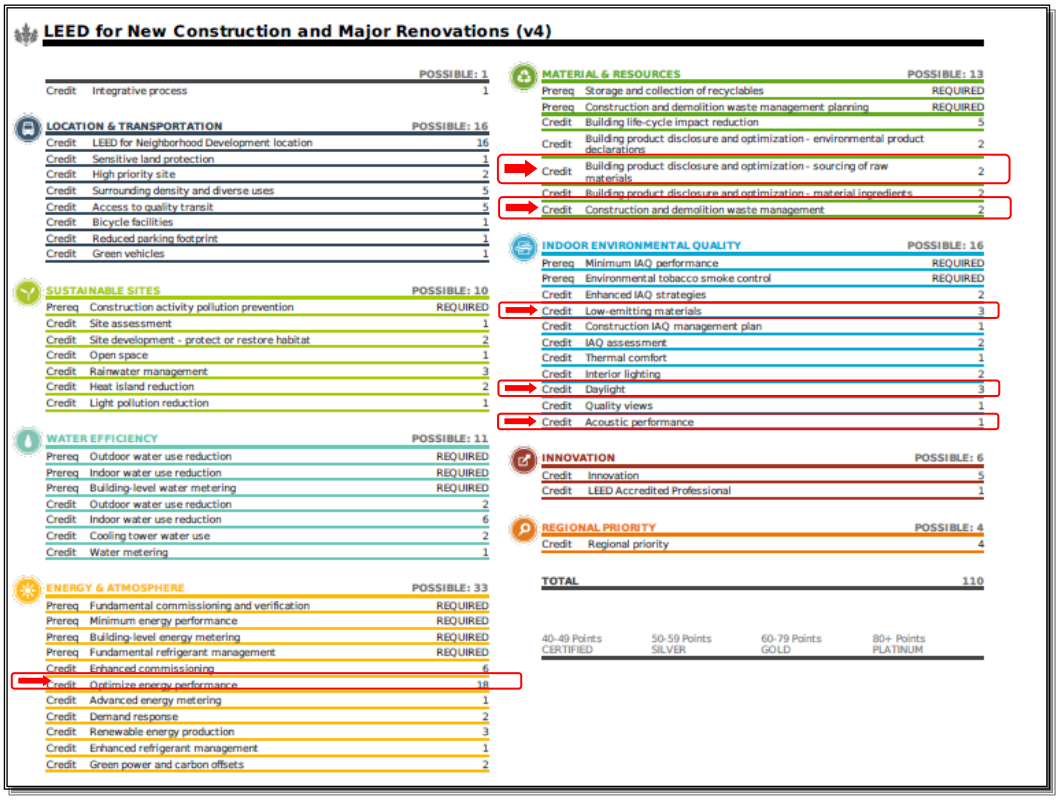
4. NOVOFERM SCHIEVANO SRL AND LEED® CREDITS

The following checklists highlight the credits to which NOVOFERM SCHIEVANO SRL products can contribute:



LEED for New Construction and Major Renovations (v4)

		POSSIBLE: 1
Credit	Integrative process	1
LOCATION & TRANSPORTATION		**POSSIBLE: 16**
Credit	LEED for Neighborhood Development location	16
Credit	Sensitive land protection	1
Credit	High priority site	2
Credit	Surrounding density and diverse uses	5
Credit	Access to quality transit	5
Credit	Bicycle facilities	1
Credit	Reduced parking footprint	1
Credit	Green vehicles	1
SUSTAINABLE SITES		**POSSIBLE: 10**
Prereq	Construction activity pollution prevention	REQUIRED
Credit	Site assessment	1
Credit	Site development - protect or restore habitat	2
Credit	Open space	1
Credit	Rainwater management	3
Credit	Heat island reduction	2
Credit	Light pollution reduction	1
WATER EFFICIENCY		**POSSIBLE: 11**
Prereq	Outdoor water use reduction	REQUIRED
Prereq	Indoor water use reduction	REQUIRED
Prereq	Building-level water metering	REQUIRED
Credit	Outdoor water use reduction	2
Credit	Indoor water use reduction	6
Credit	Cooling tower water use	2
Credit	Water metering	1
ENERGY & ATMOSPHERE		**POSSIBLE: 33**
Prereq	Fundamental commissioning and verification	REQUIRED
Prereq	Minimum energy performance	REQUIRED
Prereq	Building-level energy metering	REQUIRED
Prereq	Fundamental refrigerant management	REQUIRED
Credit	Enhanced commissioning	6
Credit	Optimize energy performance	18
Credit	Advanced energy metering	1
Credit	Demand response	2
Credit	Renewable energy production	3
Credit	Enhanced refrigerant management	1
Credit	Green power and carbon offsets	2

MATERIAL & RESOURCES		**POSSIBLE: 13**
Prereq	Storage and collection of recyclables	REQUIRED
Prereq	Construction and demolition waste management planning	REQUIRED
Credit	Building life-cycle impact reduction	5
Credit	Building product disclosure and optimization - environmental product declarations	2
Credit	Building product disclosure and optimization - sourcing of raw materials	2
Credit	Building product disclosure and optimization - material ingredients	2
Credit	Construction and demolition waste management	2
INDOOR ENVIRONMENTAL QUALITY		**POSSIBLE: 16**
Prereq	Minimum IAQ performance	REQUIRED
Prereq	Environmental tobacco smoke control	REQUIRED
Credit	Enhanced IAQ strategies	2
Credit	Low-emitting materials	3
Credit	Construction IAQ management plan	1
Credit	IAQ assessment	2
Credit	Thermal comfort	1
Credit	Interior lighting	2
Credit	Daylight	3
Credit	Quality views	1
Credit	Acoustic performance	1
INNOVATION		**POSSIBLE: 6**
Credit	Innovation	5
Credit	LEED Accredited Professional	1
REGIONAL PRIORITY		**POSSIBLE: 4**
Credit	Regional priority	4
TOTAL		110

40-49 Points CERTIFIED | 50-59 Points SILVER | 60-79 Points GOLD | 80+ Points PLATINUM

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	Elite+ Elite +Metal
	Asia Stahglass Kora fill Kora glass
	Scudo +
	Kora Basic
	Modula
	Magnum Novoslide
	Novoglass
	Elite+ Alettata
	Kora Lam
	Novofire Allglass

This logo, called Product Badge, graphically represents a summary of the credits to which the NOVOFERM SCHIEVANO SRL systems can contribute consistently with what is described in the following paragraphs[1].

[1] *The Product Badge bears the same identification codes as this document ("IT01-23032301; IT02-23032302; IT02-23032303; IT05-23032305; IT02-23032308; IT02-23032310; IT02-23032307;IT02-23032309;IT02-23032311;IT02-23032312") in order to create a unique identification. It should also be noted that the Product Badge is shown for the LEED® System, as it is designed and created to be in line with the references, policies and rules of said System.*

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Energy And Atmosphere Area

The use of electricity produced from fossil fuels, such as oil, natural gas and coal, adversely affects the environment at every stage of its life cycle, starting with the extraction and transportation process followed by refining and distribution activities To achieve the final consumption.

A building designed according to sustainable criteria addresses energy issues in two ways. First, by reducing the building's energy needs: the lower the energy needs, the lower the amount of greenhouse gases emitted to meet this requirement. Secondly, use forms of energy with less environmental impact, such as sources other than fossil fuels.

The LEED NC V4 credits to which NOVOFERM SCHIEVANO SRL products can contribute are:

- EA p2 Minimum Energy Perfomance
- EAc1 Optimize Energy Performance

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EAp2 - Minimum Energy Performance

EAc2 - Optimize Energy Performance

Intent: The purpose of this prerequisite and credit is to reach an increasing level of energy performance for buildings and project facilities, superior to the minimum values defined by current legislation and legislation, in order to reduce the economic and environmental impacts associated with excessive consumption of energy.

The prerequisite EAP2 provides the minimum energy performance requirements required for the building.

The EAc1 credit rewards building energy efficiency improvements, in particular it assigns a score from 1 to 18 based on the building's efficiency percentage compared to the base building (calculated according to ASHRAE regulations). The percentage is calculated by dynamically modeling the building, which takes into consideration all building components (envelope, plants, etc.) and site conditions (day, night, summer, winter, etc.).

These criteria are evaluated in the context of the LEED certification through a dynamic modeling of the building. The complete documentation can be consulted on the website at the following link: https://www.novoferm.it/download/cataloghi-tecnici/

Furthermore, Novoferm Schievano has developed a software that calculates the specific thermal transmittance values starting from the type and dimensions of the closure.

As an indication, some thermal transmittance values are summarized below in the table:

FIRE BLOCKS

Product Family	Product	Thermal transmittance
Fire doors	Elite+	Up to 1,25 W/m^{2}K
	Scudo+	Up to 1,25 W/m^{2}K

INTERIOR/METAL DOORS

Product Family	Product	Thermal transmittance
Metal Doord	Elite+ metal	Up to 1,25 W/m2K

INTERIOR/METAL DOORS

Product Family	Product	Thermal transmittance
Fire Glazing	Novoglass+	Up to 1,4 W/m2K

For more information, consult the technical catalogs available at this link:
https://www.novoferm.it/download/cataloghi-tecnici/

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Materials And Resources Area

The Materials and Resources area is an area that considers the sustainability of the building on the basis of the materials that have been used to build it. Pursuing LEED® credits in Materials and Resources (MR) can reduce the amount of waste and improve the building environment through responsible waste management and material selection.

The credits in this section focus on two important issues: the environmental impact of materials entering the building project and the minimization of disposal. Compared to the first area, NOVOFERM SCHIEVANO SRL has chosen materials with recycled content. Compared to the second area, it can support companies in managing their waste (recyclable packaging).

In version 4 of the rating system, the Materials and Resources area is the area that undergoes the greatest changes, going to enhance good practices of companies and their environmental and social responsibility.

The LEED NC V4 credits to which NOVOFERM SCHIEVANO SRL products can contribute are:

- MRc3 – Building product Disclosure and Optimization – Sourcing of Raw Material
- MRc5 – Construction and Demoliton Waste Management

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MRc3 - Building Product Disclosure And Optimization - Sourcing Of Raw Materials

Intent: To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

One of the main components of the doors considered is steel, whose recycled content value from literature (in the absence of further information) is 25% post-consumer. In addition to this component, the following with recycled content are used:

- insulating material that has 6% post-consumer recycled content

- EI30,60,120 fire resistant glass with at least 7% pre-consumer recycled content

Summarize:

Material	Recycled Pre Consumer	Recycled Post Consumer
Steel	0%	25%
Insulating panels	0%	6%
fire resistant glass EI30,60,120	7%	0%

The company therefore has a specific calculation procedure to quantify the recycled content of each individual product (pre and post-consumer recycled of the assembled) on request.

MRc5 - Construction And Demolition Waste Management

Intent: To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials.

With regard to the product in question, this credit evaluates the waste material and packaging on site during the laying and installation phases, to the extent that these are "diverted" from the landfill and reintroduced into a production cycle. Given that this information must be collected and calculated by the construction company, the role played "upstream" by NOVOFERM SCHIEVANO SRL is important, which above all does not leave product waste on site, and also uses recyclable packaging such as wooden pallets, cardboard, wrapping protective film, bubble wrap and polystyrene spacers.

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Indoor Environmental Quality Area

To ensure the quality of the internal environment, a joint effort is required by the client, the design team, contractors, subcontractors and suppliers. To provide an optimal indoor environmental quality, automatic sensors and individual controls can be integrated into the Building System to regulate temperature, humidity and ventilation. Other indoor air quality issues addressed by the LEED® system include verification of thermal comfort, availability and quality of natural light with access to exterior views. All these issues can enhance the quality of the internal environment and optimize the confined spaces for the building occupants.

The LEED NC V4 credits to which NOVOFERM SCHIEVANO SRL products can contribute are:

- EQc2 – Low Emitting Materials
- EQc7 – Daylight
- EQc9 – Acoustic performance

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EQc2 - Low-Emitting Materials

Intent: To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

First of all, for the installation NOVOFERM SCHIEVANO SRL chooses GEV EMICODE EC1 plus certified silicone and foam, whose certificates are shown below:

Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.
Association for the Control of Emissions from Products for Flooring Installation, Adhesives and Building Materials
Associazione registrata per i materiali da posa ad emissione controllata

Rilascio di certificazione a marcatura EMICODE

Licenza numero:	6348/07.10.15
Relativamente all'articolo	ACRYLATE
della Società	Uniflex S.r.l.
a seguito della domanda del	21.10.2015

in riferimento alla classificazione secondo le direttive emanate ai sensi dell'art. 10 dello statuto sulla marcatura GEV per conto della stessa GEV - (*associazione registrata per i materiali da posa ad emissione controllata*) viene rilasciata la certificazione per apporre il seguente marchio GEV al prodotto sopra citato, in conformità a quanto previsto dall'art. 5, comma 4, del suddetto statuto sulla marcatura GEV.

GEV-EMICODE EC 1 PLUS A bassissime emissioni

Con l'apposizione di tale marchio si attesta che l'articolo sopra menzionato rispetta i requisiti riportati sul retro del presente documento.
La società Uniflex S.r.l. è membro ordinario della GEV.

L'Amministratore
Associazione registrata per i materiali da posa ad emissione controllata (GEV)
Völklinger Straße 4 · D-40219 Düsseldorf

OM 123 21.02.2020
valido a 21.02.2025

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Mezzocorona, 09/09/2020

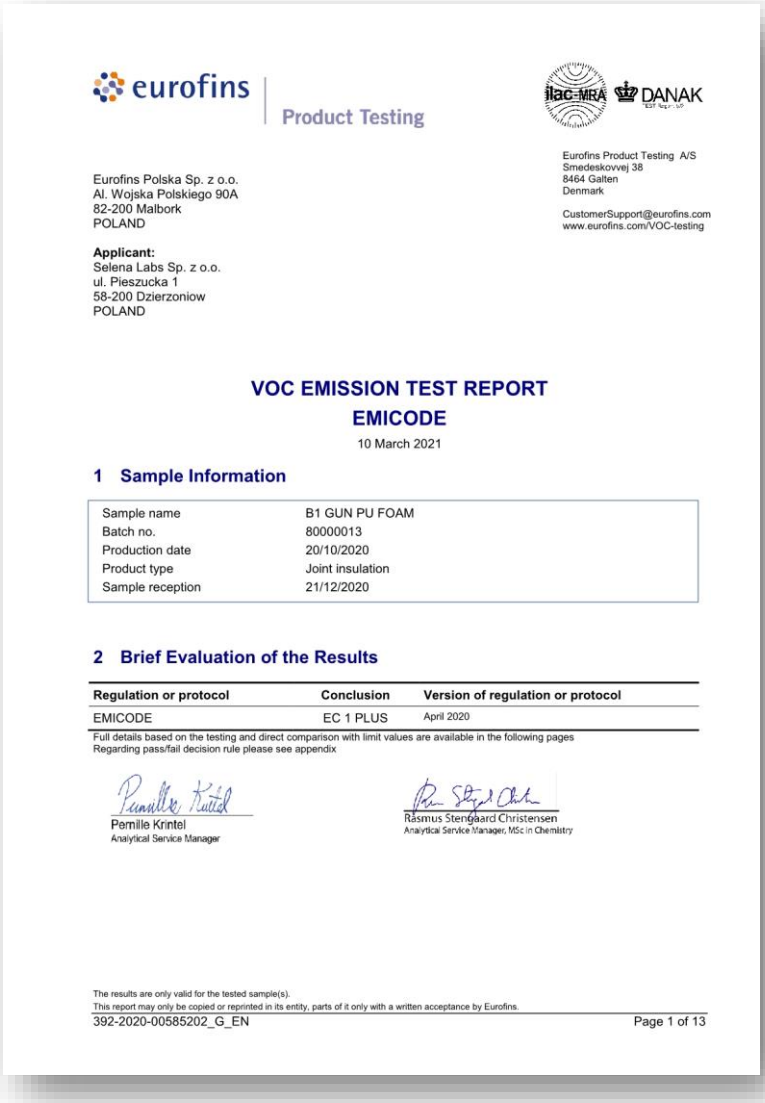
Spettabile
Novoferm
Via A. Volta, 1
35012 Camposampiero (PD)

Oggetto: UNIACRYL AC 180

La ditta Uniflex, produttrice dell'UNIACRYL AC 180, dichiara che il prodotto in oggetto segue la normativa GEV EMICODE descritta nel certificato n° 6348/07.10.15 con il nome 'ACRYLATE'.

R&D Manager
Stefano Trepin

1



eurofins | Product Testing

ilac-MRA DANAK

Eurofins Polska Sp. z o.o.
Al. Wojska Polskiego 90A
82-200 Malbork
POLAND

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
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CustomerSupport@eurofins.com
www.eurofins.com/VOC-testing

Applicant:
Selena Labs Sp. z o.o.
ul. Pieszucka 1
58-200 Dzierzoniow
POLAND

VOC EMISSION TEST REPORT
EMICODE
10 March 2021

1 Sample Information

Sample name	B1 GUN PU FOAM
Batch no.	80000013
Production date	20/10/2020
Product type	Joint insulation
Sample reception	21/12/2020

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
EMICODE	EC 1 PLUS	April 2020

Full details based on the testing and direct comparison with limit values are available in the following pages
Regarding pass/fail decision rule please see appendix

Pernille Krintel
Analytical Service Manager

Rasmus Stengaard Christensen
Analytical Service Manager, MSc in Chemistry

The results are only valid for the tested sample(s).
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The components used are mainly metals and glass, but in some products some emissive components are also used, such as rock wool or in some cases MDF panels, as well as accessories such as sheaths.

For this reason NOVOFERM SCHIEVANO SRL wanted to test the main products to demonstrate their low emissivity, in particular:

- Elite-Premio EI2-60, EI2-120 (Modula also belongs to this family, as it is characterized as an EliteEI2-60)
- Kora
- Elite-Premio Metal (Elite+ Alettata also belongs to this family, which differs only in a metal grid which is inert from the point of view of emissions)

Finally Koraglass is a technical closure made entirely of glass and extruded aluminum, possibly painted with epoxy polyester powder paints, therefore they are inert and compliant with this criterion without the need for test reports.

Below are the certificates of the test reports carried out.

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Attestation

LEED v4 and v4.1 BETA

On the 8th December 2022, Eurofins Product Testing A/S received a sample of a door with the product name:

Elite-Premio EI60

supplied by

Novoferm Schievano S.r.l.

The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant ISO 16000-3, ISO 16000-6, ISO 16000-9, ISO 16000-11 and EN 16516 testing standards (See test report no. 392-2022-00550201_C_EN).

The test results of the tested sample indicate that the product qualifies for LEED v4 and LEED v4.1 BETA (February 2021) **projects outside the US by showing compliance with the specifications for VOC emissions by complying with:**

VOC emissions specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects outside the US:

- The requirements of LEED v4.1 BETA (February 2021) by not exceeding the LCI values mentioned in the German AgBB Testing and Evaluation Scheme (2018), showing an overall R-value below or equal to 1 and having a TVOC according to EN 16516 below or equal to 1,000 µg/m³, a sum of VOC without LCI less than 100 µg/m³ and a formaldehyde emission below or equal to 10 µg/m³; all after 28 days.

24 January 2023

Matilde Rusbjerg-Sørensen
Analytical Chemist

Rasmus Verdier
Analytical Service Manager

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Attestation

LEED v4.1 BETA

On the 13th of February 2023 Eurofins Product Testing A/S received a sample of a door with the product name:

Elite-Premio EI2-120

supplied by

Novoferm Schievano S.r.l.

The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant ISO 16000, and EN 16516, testing standards (See test report no. 392-2023-00067501_C_EN).

The test results of the tested sample indicate that the product qualifies for LEED v4.1 BETA (February 2021) projects outside the by showing compliance with the specifications for VOC emissions by complying with:

VOC emissions specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects outside the US:

- The requirements of LEED v4.1 BETA (February 2021) by not exceeding the LCI values mentioned in the German AgBB Testing and Evaluation Scheme (2018), showing an overall R-value below or equal to 1 and having a TVOC according to EN 16516 below or equal to 1,000 µg/m³, a sum of VOC without LCI less than 100 µg/m³ and a formaldehyde emission below or equal to 10 µg/m³; all after 28 days.

23 March 2023

Laura Hartung Sørensen
Analytical Service Manager

Rasmus Verdier
Analytical Service Manager

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Attestation

LEED v4.1 BETA

On the 13th of February 2023 Eurofins Product Testing A/S received a sample of a door with the product name:

Kora

supplied by

Novoferm Schievano S.r.l.

The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant ISO 16000, and EN 16516 testing standards (See test report no. 392-2023-00067502_C_EN).

The test results of the tested sample indicate that the product qualifies for LEED v4.1 BETA (February 2021) projects outside the by showing compliance with the specifications for VOC emissions by complying with:

VOC emissions specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects outside the US:

- The requirements of LEED v4.1 BETA (February 2021) by not exceeding the LCI values mentioned in the German AgBB Testing and Evaluation Scheme (2018), showing an overall R-value below or equal to 1 and having a TVOC according to EN 16516 below or equal to 1,000 µg/m³, a sum of VOC without LCI less than 100 µg/m³ and a formaldehyde emission below or equal to 10 µg/m³; all after 28 days.

23 March 2023

Laura Hartung Sørensen
Analytical Service Manager

Rasmus Verdier
Analytical Service Manager

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Attestation

v4.1 BETA

On the 13th of February 2023 Eurofins Product Testing A/S received a sample of a door with the product name:

Elite-Premio Metal

supplied by

Novoferm Schievano S.r.l.

The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant ISO 16000, and EN 16516 testing standards (See test report no. 392-2023-00067503_C_EN).

The test results of the tested sample indicate that the product qualifies for LEED v4.1 BETA (February 2021) projects outside the by showing compliance with the specifications for VOC emissions by complying with:

VOC emissions specifications in LEED EQ credit "Low-Emitting Materials" for LEED projects outside the US:

- The requirements of LEED v4.1 BETA (February 2021) by not exceeding the LCI values mentioned in the German AgBB Testing and Evaluation Scheme (2018), showing an overall R-value below or equal to 1 and having a TVOC according to EN 16516 below or equal to 1,000 µg/m³, a sum of VOC without LCI less than 100 µg/m³ and a formaldehyde emission below or equal to 10 µg/m³; all after 28 days.

23 March 2023

Laura Hartung Sørensen
Analytical Service Manager

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EQc7 – Daylight

Intent: To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space

All doors can be customized with fenestrations of different sizes and shapes, and for some products even in special sizes. Of all the glasses the value of is available Light Transmittance Factor Tv (PN-EN 410) [%].

In particular, some products are already born with this feature, such as fire-rated windows:

- Novoglass+
- Novofire
- Stahglass
- Allglass

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EQc9 – Acoustic Performance

Intent: To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design

FIRE BLOCKS

Product Family	Product	Noise Reduction
Porte Tagliafuoco	Elite+	Up to 39dB
	Scudo+	Up to 40dB

INTERIOR/METAL DOORS

Product Family	Product	Noise Reduction
Porte per interni	Kora basic	Up to 28dB
	Kora lam	Up to 31dB
Porte metalliche	Elite+ metal	Up to 34dB

It is possible to receive more specific information, for example the focus on the product family is reported Elite+:

Potere Fonoisolante
Famiglia di prodotto: Elite+

Si riportano i valori dell'Indice di valutazione del Potere Fonoisolante, Rw, in dB:

	Set Acustico		
Modello porta	"AC2"	"AC1"	Nessuno
Elite+ 2A EI_2120	39 dB	32 dB	22 dB
Elite+ 2A EI_260	39 dB	32 dB	21 dB
Elite+ 2A Metal	38 dB	33 dB	23 dB
Scudo+ 2A EI_2120	40 dB	34 dB	22 dB

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5. CONCLUSIONS AND SUMMARY

QualityNet believes that the products from NOVOFERM SCHIEVANO SRL can contribute to the achievement of the LEED certification score in the credits indicated in the following table:

		EA p2 Minimum Energy Performance	EA c2 Optimize Energy Performance	MRc3 – Building product Disclosure and Optimization – Sourcing of Raw Material	MRc5 – Construction and Demoliton Waste Management	EQc2 Low Emitting Materials	EQc7 Daylight	EQc9 Acoustic Performance
Fire Doors	Elite+	✓	✓	✓	✓	✓*	✓	✓
	Modula			✓	✓	✓	✓	
	Scudo+	✓	✓	✓	✓		✓	✓
	Magum			✓	✓			
	Novoslide			✓	✓			
	Asia			✓	✓		✓	
Fire Glazing	Novoglass+	✓	✓	✓	✓		✓	
	Novofire				✓		✓	
	Stahglass			✓	✓		✓	
	Allglass				✓		✓	
Interior Doors	Kora basic			✓	✓	✓	✓	✓
	Kora lam				✓		✓	✓
	Kora fill			✓	✓		✓	
	Kora glass			✓	✓		✓	
Metal Doors	Elite+ metal	✓	✓	✓	✓	✓	✓	✓
	Elite+ Alettata			✓	✓	✓		

* Elite EI2-60, EI2-120

For further and more detailed information, contact the technical offices.

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