LEED®

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN

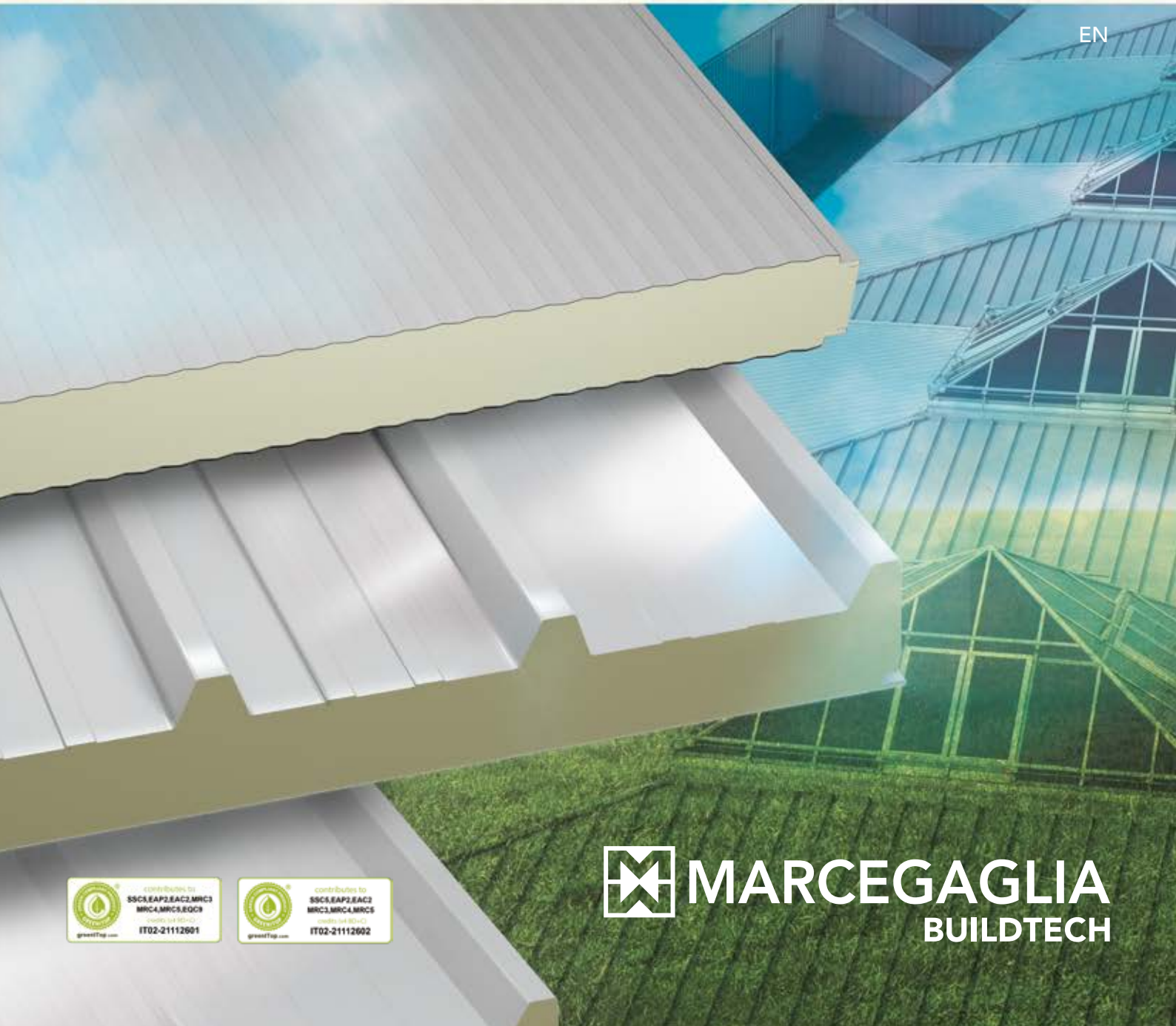
LEED® v4 COMPLIANCE DOCUMENT

01/12/2021

IT02-21112601
IT02-21112602

MB ROOF
MB FIRE-PRO ROOF
MB ROOF SOUND
MB COPPO
MB WALL
MB HIDDEN FIX
MB FIRE-PRO WALL
MB FIRE-PRO HIDDEN FIX
MB WALL SOUND
MB ROOF MONO
MB COLD-PRO

EN



MARCEGAGLIA BUILDTECH

Our steel, your life

Sustainability objectives such as respect for the environment and the protection of its workers have always been priorities, and Marcegaglia has been committed over the years to promoting constant innovation in the context of production efficiency, in the safety of its facilities, and environmental protection. These objectives are pursued by adopting the best technologies available, investing in R&D, ongoing training, and the close involvement of its collaborators, thereby tracing a strategic path towards an increasing awareness of sustainability which permeates all of the group's activities, in order to strengthen its "green" spirit and maximize its positive impact on employees, the community, and the environment.

CONTENTS

1. THE COMPANY

Marcegaglia Buildtech is a part of the Marcegaglia group, a leader in the European and world steel processing sector. A **unique business and manufacturing model**, a typical expression of Italian family entrepreneurship, capable of combining its operational capacity with a significant presence in the international market alongside multinationals.

Marcegaglia Buildtech is a **global partner in civil and industrial construction**, thanks to the development of custom steel solutions. The expertise developed in the construction sector allows the company to offer a range of finished goods and complete solutions with a high technical value: insulated and sectional panels, safety barriers, and construction equipments.

The Marcegaglia Buildtech range of **insulated panels** is produced in the largest and most modern specialist Italian plant, in Pozzolo Formigaro (Alessandria).

Furthermore, Marcegaglia Buildtech is the leading manufacturer of **steel road** safety barriers, entirely manufactured at the Pozzolo Formigaro plant.

Lastly, the company is the steel partner for a wide range of **construction equipments and scaffolding systems** made in Graffignana (Lodi) plant.

2. THE PRODUCTION SITE

Starting from a supply chain of steel semi-finished and finished products, the Marcegaglia Buildtech plant in **Pozzolo Formigaro** manufactures insulated panels in mineral wool and polyurethane foam specifically designed for use in civil and industrial construction, in particular for roofs and walls.
The site, **extended and refurbished** using the latest manufacturing technologies to ensure maximum product performance, has a surface area of some **418,000 m²**, of which 55,000 are covered.

A **suitable painting** characterizes the product in its identity and in its level of protection giving it product a **high customization** joined to the uses and to the different application's fields. The painting also gives the product an advantage, not only with regards to the types of colors and finishes superficial, but also for decorative aspects and reproducibility of the design. Steel, **plastic** element and **elastic** by definition, acquires even **greater versatility**: the **coil coating** allows **reproductions of patterns** in potentially endless variations, which can take inspiration also from materials other than steel, such as wood, the fabric, the stone, but also from metal products alternatives, such as copper and corten steel.

3. APPLICATIONS AND PRODUCTS

This document analyses the contribution of the following products to the LEED® system:

MB ROOF - 5 rib sandwich panels with polyurethane foam insulation, used for the construction of sloping roofs.

MB FIRE-PRO ROOF - Sandwich panels with orientated fibre rock wool insulation, used for the construction of roofs intended for indoor and outdoor environments that require particular reaction and resistance performance to fire.

MB ROOF SOUND - Sandwich panels with orientated fibre rock wool insulation and perforated internal metal support, used for the construction of roofs intended for indoor environments that require high insulation and sound absorption properties.

MB COPPO - Sandwich panels with polyurethane foam insulation and upper support shaped like the traditional coppo roof tile, used for the construction of sloping roofs.

MB WALL - Sandwich panels with polyurethane foam insulation, used for the construction of walls intended for indoor and outdoor environments.

MB HIDDEN FIX - Sandwich panels with polyurethane insulation and concealed fixing joint, used for the construction of walls of high aesthetic value intended for indoor and outdoor environments.

MB FIRE-PRO WALL - Sandwich panels with orientated fibre rock wool insulation, used for the construction of walls intended for indoor and outdoor environments that require particular reaction to and resistance to fire performances.

MB FIRE-PRO HIDDEN FIX - Sandwich panels with rock wool insulation and concealed fixing joint, used for the construction of walls of high aesthetic value intended for indoor and outdoor environments.

MB WALL SOUND - Sandwich panels with orientated fibre rock wool insulation and perforated internal metal support, used for the construction of walls intended for indoor environments that require high insulation and sound absorption properties.

MB ROOF MONO - 5 ribs single-sheet panels with polyurethane foam insulation, used for the construction of sloping roofs.

MB COLD-PRO - Sandwich panels with polyurethane insulation, used for the construction of walls and ceilings intended for indoor environments that require particular thermal insulation and climate control performances.

4. LEED® RATING SYSTEM

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

The LEED® standards elaborated by the USGBC set **requirements for the construction of environmentally sustainable buildings**, both in terms of energy and 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 high-performing, sustainable buildings and urban areas, which is gaining momentum internationally.
It can be used for **any type of building** and promotes an **integrated design** system that regards the entire building.

Certification involves independent **third-party verification** of the **performance of an entire building (or part of it) and / or urban areas**. Recognized at an international level, LEED®-certified buildings **respect the environment** and are **healthy places to live and work in**.

Working on the **entire process**, from design up to actual construction, LEED® requires a **holistic approach** in order to achieve the set objectives. Only with extensive integrated planning and coordination is it possible to create harmonious buildings in all of the areas mentioned above.

The competitive **benefits** of adopting LEED® standards, for both professionals and companies, are **above all the final quality of the product** (building), the **significant savings in management costs** compared to traditional buildings, and **third-party certification**.
LEED® certification offers the market a shared approach for making decisions and a measurable standard for every aspect assessed.

LEED® IS GREEN BUILDING

LEED®, or Leadership in Energy and Environmental Design, is the most widely used green building rating system in the world. Available for virtually all building, community and home project types, LEED® provides a framework to create healthy, highly efficient and cost-saving green buildings. LEED® certification is a globally recognized symbol of sustainability achievement.

2.2 million +
square feet is LEED® certified every day with more than 92,000 projects using LEED®.

Flexible
LEED® works for all building types anywhere. LEED® is in over 165 countries and territories.

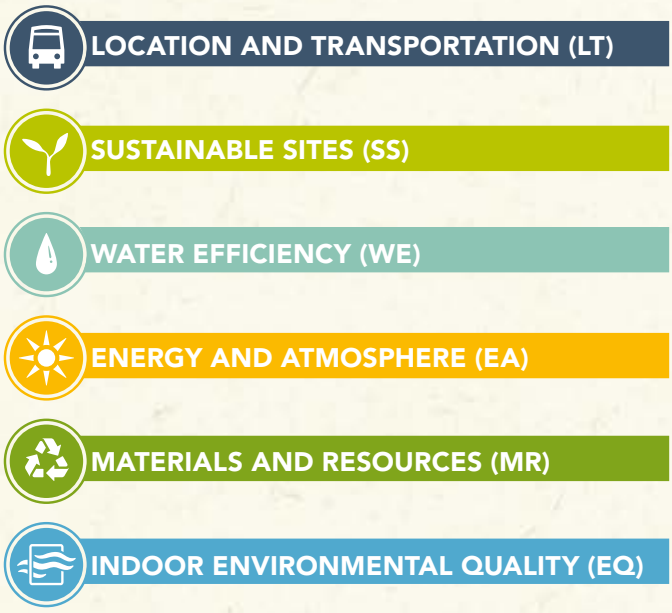
Sustainable
LEED® buildings save energy, water, resources, generate less waste and support human health.

Value
LEED® buildings attract tenants, cost less to operate and boost employee productivity and retention.

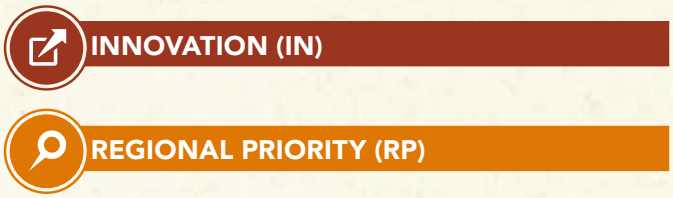
Source: www.usgbc.org

The LEED® rating system has **specific protocols** (reference guides) for all types of buildings to be certified.
There are protocols for certifying **New Construction and Major Renovations** (LEED® New Buildings - LEED® NC, LEED® Building Design and Construction - LEED® BD+C), **schools** (LEED® For Schools), **commercial interiors** and **retail** (LEED® Commercial Interiors and LEED® Retail), **existing buildings** (LEED® Existing Building Operation and Maintenance - LEED® EBOM), and **groups of buildings** such as neighborhoods (LEED® For Neighborhood Development), and so forth.

The structure of the reference guides is identical, all organized in the same areas / sections:



For the sake of completeness, there are two other areas / sections, which concern aspects that are more related to the certification process:



In the **Innovation** section, aspects that are not considered in the specific protocol but are present in other protocols are evaluated, or a higher score can be given for exemplary performance in certain credits. The process is regulated by the text of the reference guides.
In the **Regional Priority** section, higher scores are given to credits in certain geographic areas due to the strong relationship between the local context and the credit requirements.

All of these areas / sections contain **prerequisites and credits**.
The **prerequisites** are mandatory and do not contribute to the score, while the **credits** can be chosen at the discretion of the design team, however these decide the score that must be achieved to obtain the level of certification defined as goals.

The prerequisites and credits concern **all aspects of the building**: from systems to design details, soil permeability, drinking water consumption, the relationship between the site and nearby services, and the availability of public transit.
Some also concern **materials**, since the latter have characteristics that can help the building meet certain requirements defined in the prerequisites and protocols.

This document serves to:
- **identify possible credits** that could benefit from the Marcegaglia Buildtech products considered;
- **check the characteristics and documentation** in line with the requirements. The credits that the products may contribute to are described in the paragraphs below.

The LEED® rating system certifies the building and not its individual products or components; however, the latter can contribute to meeting the requirements set forth in the reference guides and consequently improve the relative scores of the building.

This means that the product cannot have a score (scores are exclusively assigned to the building), but can help the building achieve a higher score.

As mentioned, the paragraphs below will describe the **excellent contribution of Marcegaglia Buildtech** to obtaining LEED® credits.

As described above, all reference guides have the same sections and most have the same or similar credits.

For the sake of clarity and to avoid unnecessary repetition, this analysis used the **LEED® BD+C v4 rating system** as reference, inserting all of the relevant credits that could relate to the products considered.

LEED® v4 IS THE NEWEST VERSION OF LEED®

It's designed to be flexible and improve the overall project experience.

Improvements:

Materials
Focuses on materials to get a better understanding of what's in them and the effect those components have on human health and the environment.

Performance-based
Uses a stronger, performance-based approach to indoor environmental quality for better occupant comfort.

Smart grid
Brings the benefits of smart grid thinking to the forefront with a credit that rewards projects for participating in demand response programs.

Water efficiency
Provides a clearer picture of water efficiency by evaluating total building water use.

Source: www.usgbc.org

5. MARCEGAGLIA BUILDTECH AND LEED® v4 CREDITS

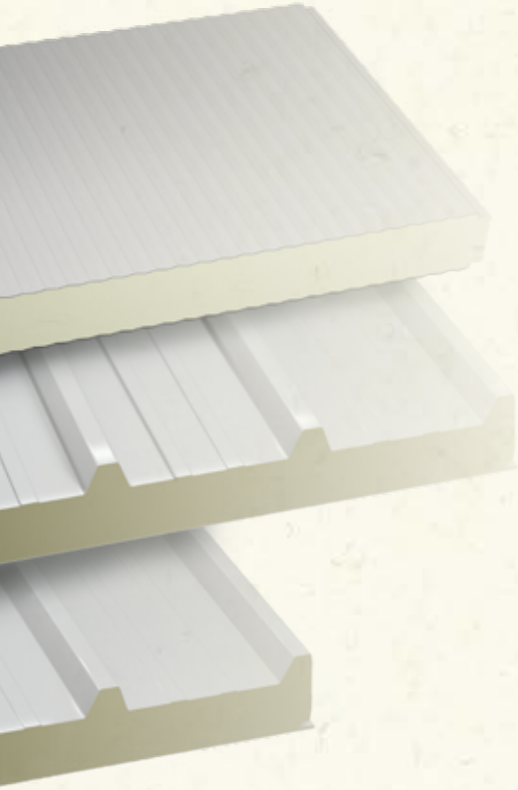
This section describes the ways in which the Marcegaglia Buildtech products analyzed can contribute to the LEED® v4 credits selected.

MB ROOF SOUND
MB WALL SOUND
MB FIRE-PRO WALL
MB FIRE-PRO ROOF
MB WALL
MB HIDDEN FIX
MB ROOF

MB COPPO
MB FIRE-PRO HIDDEN FIX
MB ROOF MONO
MB COLD-PRO

This logo, called the Product Badge, graphically represents a summary of the credits that the Marcegaglia Buildtech products can contribute to, consistently with the descriptions in the following paragraphs.*

All the credits that the Marcegaglia Buildtech products can contribute to are highlighted in the checklist on the following page.



**The Product Badge uses the same identification codes as this document ("IT02-21112601; IT02-21112602") for the purpose of unique identification. It should also be noted that the Product Badge is shown for the LEED® System, since it was designed and created to comply with the references, policies and rules of this particular System.*

LOCATION AND TRANSPORTATION (LT)		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 (SS)		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 (WE)		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 AND ATMOSPHERE (EA)		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

MATERIALS AND RESOURCES (MR)		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 (EQ)		16
Prereq	Minimum Indoor Air Quality Performance	Required
Prereq	Environmental Tobacco Smoke Control	Required
Credit	Enhanced Indoor Air Quality Strategies	2
Credit	Low-Emitting Materials	3
Credit	Construction Indoor Air Quality Management Plan	1
Credit	Indoor Air Quality Assessment	2
Credit	Thermal Comfort	1
Credit	Interior Lighting	2
Credit	Daylight	3
Credit	Quality Views	1
Credit	Acoustic Performance	1

INNOVATION (IN)		6
Credit	Innovation	5
Credit	LEED Accredited Professional	1

REGIONAL PRIORITY (RP)		4
Credit	Regional Priority: Specific Credit	1
Credit	Regional Priority: Specific Credit	1
Credit	Regional Priority: Specific Credit	1
Credit	Regional Priority: Specific Credit	1

TOTALS - POSSIBLE POINTS: 110			
Certified: 40-49 points	Silver: 50-59 points	Gold: 60-79 points	Platinum: 80-110 points

5.1 SUSTAINABLE SITES

The **choice of building site location** is a fundamental aspect of sustainable construction. The environmental restoration of construction damage typically requires several years of work.

The Sustainable Sites section looks at the environmental aspects related to the construction site with specific reference to the **management of outdoor areas** and the **relationship between the building and its surrounding environment**.

Sustainable Sites LEED® Credits for New Construction promote the following measures:

- **site selection and development**;
- **emissions reduction associated with access to transit**;
- **creation of a sustainable landscape**;
- **protection of local ecosystems**;
- **rainwater management**;
- **heat island reduction for external paving and roofing**;
- **light pollution reduction**.

The LEED® NC v4 Credit that the Marcegaglia Buildtech products can contribute to is:

- **SSc5 - Heat Island Reduction**

SSC5 - HEAT ISLAND REDUCTION

Intent: To minimize effects on microclimates and human and wildlife habitats by reducing heat islands.

Tests on solar reflection were carried out and the results of the test report are shown below:

COLOUR	TSR (E891)
M 6307 RAL 6011 - reseda green	0.23
M 6301 RAL 6005 - moss green	0.22
M 2305 RAL 7016 - anthracite grey	0.08
M 7301 RAL 5010 - gentian blue	0.28
M 9302 RAL 9006 - white aluminium	0.43
M 13124 RAL 9010 - pure white	0.80
M 1301 - grey white	0.53
M 4104 - tile red	0.30
M 4301 - "Siena" red	0.24
M 5301 - dark brown	0.17

reseda green RAL 6011

pure white RAL 9010

moss green RAL 6005

grey white RAL 9002

anthracite grey RAL 7016

tile red

gentian blue RAL 5010

"Siena" red

white aluminium RAL 9006

dark brown

5.2 ENERGY AND ATMOSPHERE

The use of electricity produced from fossil fuels, such as oil, natural gas and coal, negatively affects the environment at every stage of their life cycle, from extraction and transport, to refining and distribution activities, all the way up to final consumption.

A building designed according to sustainable building criteria addresses energy-related issues in two ways:
- **reducing the energy consumption of the building**: the lower the energy requirement, the lower the amount of greenhouse gases emitted to meet this requirement;
- **using forms of energy with a lower environmental impact**, such as sources other than fossil fuels.

The LEED® NC v4 Credits that the Marcegaglia Buildtech products can contribute to are:
- **EAp2 - Minimum Energy Performance**
- **EAc2 - Optimize Energy Performance**

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.

EAP2 - MINIMUM ENERGY PERFORMANCE

The EAp2 prerequisite establishes the minimum energy performance requirements of the building.

EAC2 - OPTIMIZE ENERGY PERFORMANCE

The EAc2 Credit rewards improvements to the building's energy efficiency, in particular it assigns a score between 1 and 18 based on the percentage of building efficiency compared to the baseline (calculated according to the ASHRAE standards).
The percentage is calculated by **dynamically modelling the building**, taking into account all components of the building (shell, plants, etc.) and the site conditions (day, night, summer, winter, etc.).

Marcegaglia Buildtech products have **high thermal insulation performance**.
Some standard reference values for the different types of panels are shown in the table below.
For more information and panel specifications for different thicknesses, please refer to the technical manuals.

PRODUCT NAME	PANEL THICKNESS (mm)	THERMAL CONDUCTIVITY (W/m^2K) EN 14509 *ACCORDING EN ISO 6946
MB ROOF	50	0,41
MB FIRE-PRO ROOF	50	0,77
MB ROOF SOUND*	50	0,67
MB COPPO	50	0,40
MB WALL	50	0,41
MB HIDDEN FIX	50	0,46
MB FIRE-PRO WALL	50	0,74
MB FIRE-PRO HIDDEN FIX	50	0,88
MB WALL SOUND*	50	0,73
MB ROOF MONO*	50	0,36
MB COLD-PRO	150	0,14

For more information on systems thermal insulation, please refer to the technical data sheets or contact the technical department.

5.3 MATERIALS AND RESOURCES

The Materials and Resources section considers building sustainability on the basis of the **materials used for construction**.

Obtaining LEED® Credits in this area can reduce the amount of waste and improve the building environment through **responsible waste management and material selection**.

Credits in this section focus on two major issues: the **environmental impact of the materials** used in the building project and **minimizing waste disposal**.
With regard to the former, Marcegaglia Buildtech has chosen to use materials with the **highest possible recycled content** and to adopt an **internal environmental policy at all levels** through Corporate Social Responsibility, paying particular attention to the chemicals used.
With regard to the latter, it can support companies in waste management through the use of **recyclable packaging**.

In Version 4 of the rating system, the biggest changes were made to the Materials and Resources section, **promoting the good practices** of companies and their **environment and social responsibility**.

The LEED® NC v4 Credits that the Marcegaglia Buildtech products can contribute to are:

- **MRc3 - Building product Disclosure and Optimization - Sourcing of Raw Materials**
- **MRc4 - Building product Disclosure and Optimization - Material Ingredients**
- **MRc5 - Construction and Demolition Waste Management**

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.

RECYCLED CONTENT
The content of each component is indicated in the supplier's declaration drawn up according to ISO 14021.

CONFIGURATION COMPONENTS	% POST-CONSUMER RECYCLED	% PRE-CONSUMER RECYCLED
PUR / PIR Polyurethane*	-	-
PIR Polyurethane**	-	2,7%
Mineral wood	-	25-40%
Steel	19,8%	14,4%

*standard production
**custom product

Recycled content is calculated on specific orders based on these data, on the composition and on the weight in the order of the various components.

For more information, please contact the technical department.

MRC4 - BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - MATERIAL INGREDIENTS (OPTION 2)

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 for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Classification according to REACH criteria is shown in the table below:

TYPE / PRODUCT / PANEL	DS REV. DATE / REFERENCE DOCUMENTATION	REACH AUTHORIZATION LIST	REACH CANDIDATE LIST
MB ROOF	Technical manual	Not present	Not present
MB FIRE-PRO ROOF	Technical manual	Not present	Not present
MB ROOF SOUND	Technical manual	Not present	Not present
MB COPPO	Technical manual	Not present	Not present
MB WALL	Technical manual	Not present	Not present
MB HIDDEN FIX	Technical manual	Not present	Not present
MB FIRE-PRO WALL	Technical manual	Not present	Not present
MB FIRE-PRO HIDDEN FIX	Technical manual	Not present	Not present
MB WALL SOUND	Technical manual	Not present	Not present
MB ROOF MONO	Technical manual	Not present	Not present
MB COLD-PRO	Technical manual	Not present	Not present

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 assesses the **waste material** and **packaging on site** during the laying and installation phases and how much is "diverted" from landfill and reintroduced into a production cycle.

Although this information must be collected and calculated by the construction company, Marcegaglia Buildtech plays an **important role "upstream"** by using **recyclable packaging**.
Specifically, Marcegaglia Buildtech uses the following packaging:

- **low-density polyethylene stretch film;**
- **transparent stretch film;**
- **cardboard boxes for accessories;**
- **protective cardboard for external parts of the steel;**
- **polystyrene blocks.**

5.4 INDOOR ENVIRONMENTAL QUALITY

In order to ensure indoor environmental quality, a joint effort by the client, the design team, contractors, subcontractors and suppliers is necessary.

For optimal indoor environmental quality, automatic sensors and individual controls to **regulate temperature, humidity and ventilation** can be integrated into the building system.
Other aspects concerning indoor air quality addressed by the LEED® system include the **verification of thermal comfort**, **availability and quality of daylight**, and access to exterior views.
All of these aspects can enhance the quality of the indoor environment and optimize confined spaces for the occupants of the building.

The LEED® NC v4 Credit that the Marcegaglia Buildtech products can contribute to is:
- **EQc9 - Acoustic Performance**

EQC9 - ACOUSTIC PERFORMANCE

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

This Credit evaluates:
- **HVAC background noise;**
- **sound transmission;**
- **reverberation time;**
- **sound reinforcement and masking systems.**

As stated in the information on the technical data sheets, the sound isolation and absorption values are as follows*:

PRODUCT	THICKNESS (mm)	RW [dB]	αw
MB ROOF SOUND	50	33 (-2; -5)	1
	80	33 (-2; -5)	1
	100	34 (-2; -5)	1
	120	36 (-1; -4)	0,95
MB WALL SOUND	50	33 (-2; -5)	1
	80	34 (-1; -4)	1
	100	34 (-2; -5)	1
	120	35 (-1; -4)	1
	150	34 (-2; -5)	0,95

PRODUCT	THICKNESS (mm)	RW [dB]	αw
MB FIRE-PRO WALL	80	32 (-2;-5)	0,15
	120	32 (-2;-4)	0,15
MB FIRE-PRO ROOF	80	31 (-1;-3)	0,20
	120	32 (-1;-4)	0,20
MB WALL	50	27 (-3;-4)	0,15
	150	26 (-3;-4)	0,15
MB HIDDEN FIX	60	26 (-3;-4)	0,15
	100	26 (-3;-5)	0,15
MB ROOF	40	27 (-1; -3)	0,20
	120	25 (-1; -3)	0,20

For more information, please refer to the technical data sheets or contact the technical department.

** Tests performed on non-pejorative samples compared to panels with greater thicknesses and better acoustic performance.*

6. CONCLUSIONS AND SUMMARY

The Marcegaglia Buildtech products can contribute to the LEED® v4 certification score in relation to the Credits indicated in the following table:

PRODUCT	SSC5 HEAT ISLAND REDUCTION	EAP2 MINIMUM ENERGY PERFORMANCE	EAC2 OPTIMIZE ENERGY PERFORMANCE	MRC3 BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - SOURCING OF RAW MATERIALS	MRC4 BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - MATERIAL INGREDIENTS OPTION 2	MRC5 CONSTRUCTION AND DEMOLITON WASTE MANAGEMENT	EQC9 ACOUSTIC PERFORMANCE
MB ROOF	√	√	√	√	√	√	√
MB FIRE-PRO ROOF	√	√	√	√	√	√	√
MB ROOF SOUND	√	√	√	√	√	√	√
MB COPPO	√	√	√	√	√	√	
MB WALL	√	√	√	√	√	√	√
MB HIDDEN FIX	√	√	√	√	√	√	√
MB FIRE-PRO WALL	√	√	√	√	√	√	√
MB FIRE-PRO HIDDEN FIX	√	√	√	√	√	√	
MB WALL SOUND	√	√	√	√	√	√	√
MB ROOF MONO	√	√	√	√	√	√	
MB COLD-PRO	√	√	√	√	√	√	

LEED® v4 COMPLIANCE DOCUMENT prepared by

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Although Qualitynet believes that the tested products can contribute to LEED® certification, it should be noted that globally only GBCI (Green Business Certification Inc) can assign scores and issue LEED® certificates. Recalling that the LEED® rating system certifies the building and not the materials, Qualitynet does not provide any guarantees regarding the final score achieved by the building.

Iris Visentin - LEED® AP BD&C

To obtain more information about this product declaration and / or its configurations, the following references are available:
Technical Support
Mail: technicalsupportmb@marcegaglia.com
Tel.: +39 0143 7761 / +39 0230 7041

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Our steel, your life

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