MOROSO

Sofas and Seating Systems, Armchairs, Chairs, Stools

POLYURETHANE
FOAM
NON-PADDED

HTTPS://WWW.GREENITOP.COM/PRODUCTS/2CD94.HTM

Overview

MOROSO

THE ENVIRONMENT AND SUSTAINABILITY

"MOROSO'S STORY IS THE STORY OF RELATIONSHIPS WITH DESIGNERS, PEOPLE WHO ARE TRYING TO POSITIVELY CHANGE THE WORLD WITH INTELLIGENCE AND THE PASSION THAT ALWAYS INSPIRES ARTISTS FACED WITH BEAUTY. I ASK THEM TO IMAGINE A WORLD, NOT JUST AN OBJECT, AND TO RELATE IT TO THE FUTURE."
PATRIZIA MOROSO

1. COMPANY

1.1 About us

Since 1952, Moroso, in collaboration with the best international designers, has been producing upholstered furniture and chairs for high-end interiors.

Led today by the family's second generation – Roberto, managing director and Patrizia, art director – Moroso represents the evolution of an Italian company built on the figure of the entrepreneur-craftsman, embodied until the 1990s by their father Agostino. A company that is open to dialogue, which, inspired by the idea of "doing and doing well" that characterized post-war Italian entrepreneurship, has managed, with courage and determination, to reconcile deep craftsmanship and tailoring expertise with industrial production processes, identifying a highly unique element in the encounter between design, contemporary art and fashion.

In addition to its collections, which encapsulate the formal and stylistic research of the last thirty years, Moroso offers its design and production experience in the development and customization of specific projects for the contract and luxury residential market. Drawing on the talent of over 70 master craftsmen in the production workshop, a network of outstanding suppliers and the use of extremely high-quality materials, attention is focused on every single element that contributes to making the product unique.

Moroso represents the start of a story that illustrates a different approach to the market.

The projects speak, as do the people, the protagonists of contemporary living, expressing a sincere and spontaneous passion for beauty and emotion, design and art.

They recount the commitment that day after day, for more than 60 years, has been invested in the production and manufacturing processes, in the artisan crafting of products, and in the honesty and openness of relationships with suppliers and customers.

A way of doing and acting that does not diminish the role of the economic sphere, but rather asserts and reinforces it. The creation of long-lasting economic value shared by all the people involved, from production to culture, is fundamental to building a better society. There can be no dialogue, openness or growth without respect.

It is the beauty of design, of planning as an attitude to life, as a vision of the world. A world of colours that enhances diversity, embodying it in everyday life, taking ownership of it and promoting it as a relationship value.

1.2 Our products: Sofas

Moroso's products can be divided into the following categories[1]:

- sofas
- small sofas
- armchairs
- small armchairs
- chairs
- stools
- chaises longues
- poufs
- systems
- daybeds + benches
- tables
- coffee tables
- rugs
- beds
- bookcases
- outdoor

For this document, the products were reclassified according to the characteristics that make the investigated characteristics uniform, i.e., the products were divided into:

- **polyurethane**: products with a metal frame, polyurethane padding and wooden, metal or plastic base;
- **foam**: products with a wooden frame, foam padding and metal or wooden base;
- **unpadded**: products with a metal frame, wooden seat and various accessories made of other materials.

[1] For more details on the products please refer to the following link: http://moroso.it/ricerca-per-tipologia/

1.3 MOROSO: Quality and sustainability

Research, talent, expertise and attention to the local area: the quality of Moroso products is a fusion of all the factors that contribute to making each individual product unique.

Integrated quality, environment and safety policy

Material quality, in the sartorial precision of the master craftsmen, in the attention to detail, in the choice of materials and finishes; design quality, in the willingness to customize, in the management of small batches and in the close relationship with suppliers; cultural quality, in the ability to imagine, to interpret designers' different sensibilities and to recognize their role.

Ethical quality, in the commitment to pursue a business model focused on knowledge, respecting the work of all the people who passionately contribute to building value: employees, suppliers, partners and customers.

Quality certified by the achievement of ISO:9001 certification in 1994 and ISO: 14001 in 1999.

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 243258-2017-AQ-ITA-ACCREDIA
Initial certification date: 28 June 1994
Valid: 23 July 2020 – 22 July 2023

This is to certify that the management system of

MOROSO S.p.A. - Sede Legale
Via Nazionale, 60, Frazione Cavalicco - 33010 Tavagnacco (UD) - Italy

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Design, manufacture and trading of indoor and outdoor upholstered furniture and furnishing
(IAF 23)

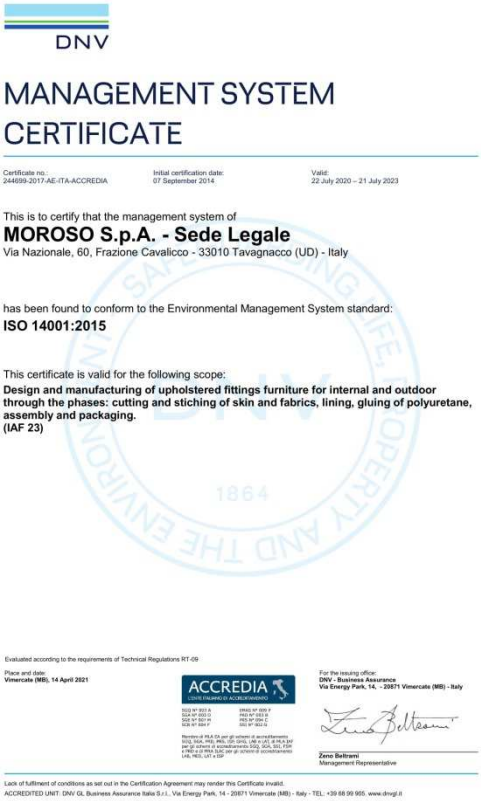
Place and date:
Vimercate (MB), 25 January 2021

ACCREDIA

For the issuing office:
DNV GL - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

Zeno Beltrami
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV GL Business Assurance Italia S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 68 99 905. www.dnvgl.it



DNV

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 244699-2017-AE-ITA-ACCREDIA
Initial certification date: 07 September 2014
Valid: 22 July 2020 – 21 July 2023

This is to certify that the management system of

MOROSO S.p.A. - Sede Legale
Via Nazionale, 60, Frazione Cavalicco - 33010 Tavagnacco (UD) - Italy

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:
Design and manufacturing of upholstered fittings furniture for internal and outdoor through the phases: cutting and stiching of skin and fabrics, lining, gluing of polyuretane, assembly and packaging.
(IAF 23)

Evaluated according to the requirements of Technical Regulations RT-09

Place and date:
Vimercate (MB), 14 April 2021

ACCREDIA

For the issuing office:
DNV - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

Zeno Beltrami
Management Representative

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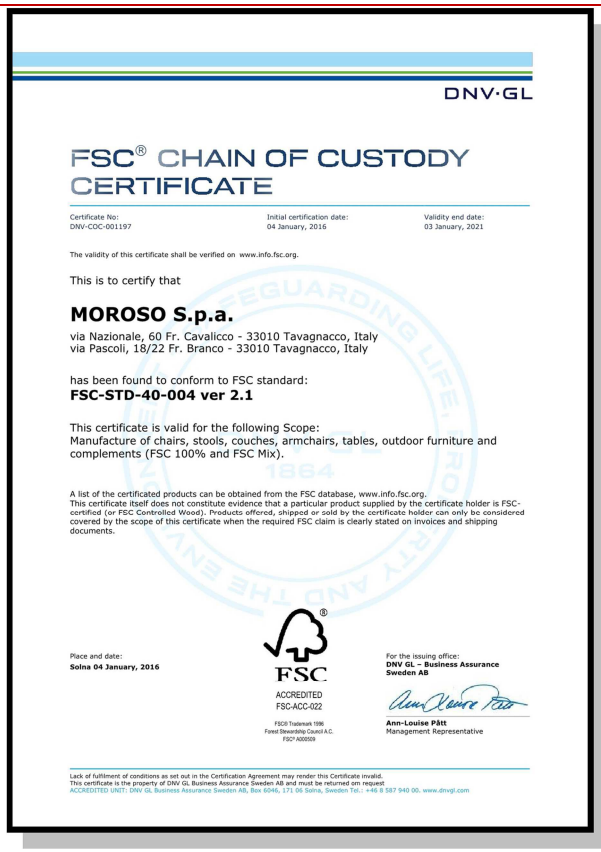

DNV·GL

FSC® CHAIN OF CUSTODY CERTIFICATE

Certificate No: DNV-COC-001197
Initial certification date: 04 January, 2016
Validity end date: 03 January, 2021

The validity of this certificate shall be verified on www.info.fsc.org.

This is to certify that

MOROSO S.p.a.
via Nazionale, 60 Fr. Cavalicco - 33010 Tavagnacco, Italy
via Pascoli, 18/22 Fr. Branco - 33010 Tavagnacco, Italy

has been found to conform to FSC standard:
FSC-STD-40-004 ver 2.1

This certificate is valid for the following Scope:
Manufacture of chairs, stools, couches, armchairs, tables, outdoor furniture and complements (FSC 100% and FSC Mix).

A list of the certificated products can be obtained from the FSC database, www.info.fsc.org.
This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified (or FSC Controlled Wood). Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

Place and date:
Solna 04 January, 2016

FSC
ACCREDITED
FSC-ACC-022

FSC® Trademark 1996
Forest Stewardship Council A.C.
FSC® A000509

For the issuing office:
DNV GL – Business Assurance Sweden AB

Ann-Louise Pått
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
This certificate is the property of DNV GL Business Assurance Sweden AB and must be returned on request
ACCREDITED UNIT: DNV GL Business Assurance Sweden AB, Box 6046, 171 06 Solna, Sweden Tel.: +46 8 587 940 00. www.dnvgl.com

MOROSO believes that sustainability is a fundamental driver and for this reason, in addition to defining internal policies and procedures that make the production process more sustainable and transparent, it has taken steps to ensure that the products are also sustainable through **GECA** and **FSC** certification.

In order to meet customer expectations and to allow the final consumer to extend the duration of the purchased product, the Moroso company undertakes to provide, for 5 years from the date of invoice, the spare parts[2] under warranty (if valid) or for a fee. Coverings and finished products are excluded from this warranty. The MOROSO SpA company is committed to disposing of GECA-certified products[3].

[2] feet, bases, hardware and mechanisms
[3] The cost of transportation is borne by the customer

2. GREEN BUILDING AND INTERNATIONAL RATING SYSTEMS

2.1 The LEED® system

Sources: USGBC, GBC ITALIA

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

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

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

The certification is an independent, third-party audit 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 both environmentally friendly and a healthy place to live and work.

Since it covers the entire process, from design to construction, LEED® requires a holistic approach or the goals will not be met. A harmonious building can only be created in all of the above areas with extensive integrated design and coordination efforts.

The competitive advantages for those who adopt the LEED® standards, whether professionals or companies, primarily relate to the high quality of the final product (building), the considerable savings in operating costs enabled by these buildings when compared with traditional buildings and the certification by a third party.

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

The LEED® rating system is structured into a set of protocols (manuals) depending on the type of building being certified. There is consequently a protocol that certifies new construction and major renovations (LEED New Construction, LEED NC, LEED BUILDING DESIGN AND CONSTRUCTION LEED BD+C), a protocol for school buildings (LEED FOR SCHOOLS), a protocol that certifies retail spaces and building interiors (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., neighbourhoods (LEED FOR NEIGHBORHOOD), and so on.

The structure of all these protocols is the same, since they are all organized into the same areas or chapters, namely[4]:

- Sustainable Sites (SS)
- Water Efficiency (WE)
- Energy and Atmosphere (EA)
- Material and Resources (MR)
- Indoor Environmental Quality (IEQ)

For completeness, there are two other areas/chapters, but these cover aspects more related to the certification process:

- Regional priority: more weight (points) is given to credits in specific geographic areas because of the strong relationship between geographic context and credit requirements;

[4] Acronyms may vary depending on the language. In Italian WE is referred to as GA and IEQ as QI.

- Innovation: aspects that are not considered in the specific protocol but are included in other protocols are valued, or more points are given for exemplary performance in certain credits of the protocol. This is all precisely regulated by the text of the manuals.

All of these areas/chapters contain prerequisites and credits. Prerequisites are mandatory and do not score, while credits may or may not be chosen by the design team and provide a score, which must be achieved to obtain the target level of certification defined by the certification.

Prerequisites and credits cover all aspects of a building, from systems to design details, soil permeability, drinking water consumption, the site's relationship to services near the building and the accessibility of public transportation. Some of these aspects also relate to materials, that is the materials have characteristics that help the building meet certain requirements defined in prerequisites and protocols. This document firstly identifies possible credits that may concern MOROSO products considered in the project and secondly verifies their characteristics and documentation in line with the requirements. The credits to which products can contribute are detailed in the following paragraphs.

The LEED® rating system certifies the building; it does not certify the building's individual products or components, however these can contribute to meeting the protocol's requirements and consequently to the building's scores.

This also means that the product CANNOT have a score; the score always only applies to the building, however it can help the building to achieve the score.

As stated above, the following paragraphs will illustrate MOROSO's excellence in relation to LEED® credits.

As outlined earlier in the text, all protocols are structured in the same areas and for the most part the credits are the same or similar. In this work, for explanatory clarity and to avoid unnecessary repetition (which could create confusion), the LEED NC NEW CONSTRUCTION protocol has been used as a reference, including all the credits of this protocol that could concern MOROSO products considered in this document. Credits from other protocols, which are therefore not present in LEED NC NEW CONSTRUCTION, but which nonetheless concern MOROSO products, have also been added.

A final note on the LEED® system. The LEED® rating system evolves over time. This document considers both version 3 of the protocol published in 2009 and version 4, based on the premise that there are projects that certify under version 3 (2009) and projects that certify under version 4.

At the end of the document, a summary table will represent the credit contributions for the two versions of the protocols.

2.2 International panorama: other rating systems

Over the past decade, green building standards and regulatory bodies have made significant strides toward market transformation in the construction industry, resulting in the rapid expansion of sustainable buildings and building practices around the world, increasing requirements related to environmental sustainability and healthy buildings.

The LEED® rating system is among the most widely used at an international level. Other protocols are also being developed and disseminated, each with specific features that focus on certain aspects, such as the following:

- **WELL™**: alongside the focus on environmental impact, strategies to improve human health and well-being have increased, but despite this they have played a relatively modest role in the evolution of building standards. This is the first standard of its kind that exclusively focuses on building occupants' health and well-being through the definition of 100 performance metrics, design strategies, and policies that can be implemented. WELL certification of a building can result in a built environment that helps to improve users' nutrition, fitness, mood, sleep, comfort and performance. *For more information please visit the following link: https://www.wellcertified.com/*
- **Living Building Challenge™**: a rating system aimed at defining building practices that focus on regeneration, rather than sustainability. *For more information please visit the following link: https://living-future.org/lbc/*
- **BREEAM™**: a rating system developed and established in Great Britain. Along with the LEED® rating system, it is among the most widely used in the world. *For more information please visit the following link*: *http://www.breeam.com/*

These protocols share the same approach to sustainability and the fact that they are complex protocols.

The characteristics required by the LEED® system, which can also be found in one or more of the mentioned protocols, include the following:

- Recycled content in used materials;
- FSC® wood certification, guaranteeing a sustainable supply chain;
- Attention to chemicals used and present in products, highlighting the absence of hazardous substances;
- Control of volatile organic emissions into the building from materials and products
- Indoor comfort and health from a thermal and luminosity standpoint, enhancing daylighting and "stimulating" environments.

This simple, non-exhaustive list is only intended to give an idea of how these rating systems, in assessing a building's sustainability, include many similar aspects with respect to the materials and products used. The decision to specify these characteristics with respect to the LEED® rating system and not other systems is mainly due to greater awareness and dissemination of this protocol at an international level.

3. MOROSO AND THE LEED® SYSTEM

The LEED® rating system exclusively certifies buildings. However, the products can contribute to meeting LEED® credit requirements and thus help the building achieve the scores needed for certification.

In this chapter you can read the description of the credits to which MOROSO's products can contribute. This description is the result of a careful analysis of the characteristics and products in relation to the requirements, which has led the company to adopt specific procedures for orders related to projects undergoing LEED® certification. To summarize this document and specify the credits to which MOROSO products can contribute, the following Product Badge was created with the same identification code as this document and an indication of the credits with respect to version 4 of the LEED® system.

Below are the checklists of prerequisites and credits (i.e. the titles of the prerequisites and credits in the relevant areas and the relative scores assigned to the building), considering the main protocols in terms of application and completeness of the relevant credits, namely "LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATION V 2009 (LEED NC 2009)", "LEED FOR COMMERCIAL INTERIOR V 2009", "LEED FOR SCHOOLS V 2009", "LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATION V4 (LEED NC V4)" and "LEED FOR COMMERCIAL INTERIOR V4 (LEED CI V4)".

LEED for New Construction and Major Renovations (v2009)

SUSTAINABLE SITES		POSSIBLE: 26
SSp1	Construction activity pollution prevention	REQUIRED
SSc1	Site selection	1
SSc2	Development density and community connectivity	5
SSc3	Brownfield redevelopment	1
SSc4.1	Alternative transportation - public transportation access	6
SSc4.2	Alternative transportation - bicycle storage and changing rooms	1
SSc4.3	Alternative transportation - low-emitting and fuel-efficient vehicles	3
SSc4.4	Alternative transportation - parking capacity	2
SSc5.1	Site development - protect or restore habitat	1
SSc5.2	Site development - maximize open space	1
SSc6.1	Stormwater design - quantity control	1
SSc6.2	Stormwater design - quality control	1
SSc7.1	Heat island effect - nonroof	1
SSc7.2	Heat island effect - roof	1
SSc8	Light pollution reduction	1

WATER EFFICIENCY		POSSIBLE: 10
WEp1	Water use reduction	REQUIRED
WEc1	Water efficient landscaping	4
WEc2	Innovative wastewater technologies	2
WEc3	Water use reduction	4

ENERGY & ATMOSPHERE		POSSIBLE: 35
EAp1	Fundamental commissioning of building energy systems	REQUIRED
EAp2	Minimum energy performance	REQUIRED
EAp3	Fundamental refrigerant management	REQUIRED
EAc1	Optimize energy performance	19
EAc2	On-site renewable energy	7
EAc3	Enhanced commissioning	2
EAc4	Enhanced refrigerant management	2
EAc5	Measurement and verification	3
EAc6	Green power	2

MATERIAL & RESOURCES		POSSIBLE: 14
MRp1	Storage and collection of recyclables	REQUIRED
MRc1.1	Building reuse - maintain existing walls, floors and roof	3
MRc1.2	Building reuse - maintain interior nonstructural elements	1
MRc2	Construction waste management	2
MRc3	Materials reuse	2
MRc4	Recycled content	2
MRc5	Regional materials	2
MRc6	Rapidly renewable materials	1
MRc7	Certified wood	1

INDOOR ENVIRONMENTAL QUALITY		POSSIBLE: 15
EQp1	Minimum IAQ performance	REQUIRED
EQp2	Environmental Tobacco Smoke (ETS) control	REQUIRED
EQc1	Outdoor air delivery monitoring	1
EQc2	Increased ventilation	1
EQc3.1	Construction IAQ management plan - during construction	1
EQc3.2	Construction IAQ management plan - before occupancy	1
EQc4.1	Low-emitting materials - adhesives and sealants	1
EQc4.2	Low-emitting materials - paints and coatings	1
EQc4.3	Low-emitting materials - flooring systems	1
EQc4.4	Low-emitting materials - composite wood and agrifiber products	1
EQc5	Indoor chemical and pollutant source control	1
EQc6.1	Controllability of systems - lighting	1
EQc6.2	Controllability of systems - thermal comfort	1
EQc7.1	Thermal comfort - design	1
EQc7.2	Thermal comfort - verification	1
EQc8.1	Daylight and views - daylight	1
EQc8.2	Daylight and views - views	1

INNOVATION		POSSIBLE: 6
IDc1	Innovation in design	5
IDc2	LEED Accredited Professional	1

REGIONAL PRIORITY		POSSIBLE: 4
RPc1	Regional priority	4

TOTAL	110

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

LEED for New Construction in Schools (v2009)

SUSTAINABLE SITES		POSSIBLE: 24
SSp1	Construction activity pollution prevention	REQUIRED
SSp2	Environmental site assessment	REQUIRED
SSc1	Site selection	1
SSc2	Development density and community connectivity	4
SSc3	Brownfield redevelopment	1
SSc4.1	Alternative transportation - public transportation access	4
SSc4.2	Alternative transportation - bicycle storage and changing rooms	1
SSc4.3	Alternative transportation - low-emitting and fuel-efficient vehicles	2
SSc4.4	Alternative transportation - parking capacity	2
SSc5.1	Site development - protect or restore habitat	1
SSc5.2	Site development - maximize open space	1
SSc6.1	Stormwater design - quantity control	1
SSc6.2	Stormwater design - quality control	1
SSc7.1	Heat island effect - nonroof	1
SSc7.2	Heat island effect - roof	1
SSc8	Light pollution reduction	1
SSc9	Site master plan	1
SSc10	Joint use of facilities	1

WATER EFFICIENCY		POSSIBLE: 11
WEp1	Water use reduction	REQUIRED
WEc1	Water efficient landscaping	4
WEc2	Innovative wastewater technologies	2
WEc3	Water use reduction	4
WEc4	Process water use reduction	1

ENERGY & ATMOSPHERE		POSSIBLE: 33
EAp1	Fundamental commissioning of building energy systems	REQUIRED
EAp2	Minimum energy performance	REQUIRED
EAp3	Fundamental refrigerant management	REQUIRED
EAc1	Optimize energy performance	19
EAc2	On-site renewable energy	7
EAc3	Enhanced commissioning	2
EAc4	Enhanced refrigerant management	1
EAc5	Measurement and verification	2
EAc6	Green power	2

MATERIAL & RESOURCES		POSSIBLE: 13
MRp1	Storage and collection of recyclables	REQUIRED
MRc1.1	Building reuse - maintain existing walls, floors and roof	2
MRc1.2	Building reuse - maintain interior nonstructural elements	1
MRc2	Construction waste management	2
MRc3	Materials reuse	2
MRc4	Recycled content	2
MRc5	Regional materials	2
MRc6	Rapidly renewable materials	1
MRc7	Certified wood	1

INDOOR ENVIRONMENTAL QUALITY		POSSIBLE: 19
EQp1	Minimum IAQ performance	REQUIRED
EQp2	Environmental Tobacco Smoke (ETS) control	REQUIRED
EQp3	Minimum acoustical performance	REQUIRED
EQc1	Outdoor air delivery monitoring	1
EQc2	Increased ventilation	1
EQc3.1	Construction IAQ management plan - during construction	1
EQc3.2	Construction IAQ management plan - before occupancy	1
EQc4	Low-emitting materials	4
EQc5	Indoor chemical and pollutant source control	1
EQc6.1	Controllability of systems - lighting	1
EQc6.2	Controllability of systems - thermal comfort	1
EQc7.1	Thermal comfort - design	1
EQc7.2	Thermal comfort - verification	1
EQc8.1	Daylight and views - daylight	3
EQc8.2	Daylight and views - views	1
EQc9	Enhanced acoustical performance	1
EQc10	Mold prevention	1

INNOVATION		POSSIBLE: 6
IDc1	Innovation in design	4
IDc2	LEED Accredited Professional	1
IDc3	The school as a teaching tool	1

REGIONAL PRIORITY		POSSIBLE: 4
RPc1	Regional priority	4

TOTAL	110

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

LEED for Commercial Interiors (v2009)

SUSTAINABLE SITES		POSSIBLE: 21
SSc1	Site selection	5
SSc2	Development density and community connectivity	6
SSc3.1	Alternative transportation - public transportation access	6
SSc3.2	Alternative transportation - bicycle storage and changing rooms	2
SSc3.3	Alternative transportation - parking availability	2

WATER EFFICIENCY		POSSIBLE: 11
WEp1	Water use reduction	REQUIRED
WEc1	Water use reduction	11

ENERGY & ATMOSPHERE		POSSIBLE: 37
EAp1	Fundamental commissioning of building energy systems	REQUIRED
EAp2	Minimum energy performance	REQUIRED
EAp3	Fundamental refrigerant management	REQUIRED
EAc1.1	Optimize energy performance - lighting power	5
EAc1.2	Optimize energy performance - lighting controls	3
EAc1.3	Optimize energy performance - HVAC	10
EAc1.4	Optimize energy performance - equipment and appliances	4
EAc2	Enhanced commissioning	5
EAc3	Measurement and verification	5
EAc4	Green power	5

MATERIAL & RESOURCES		POSSIBLE: 14
MRp1	Storage and collection of recyclables	REQUIRED
MRc1.1	Tenant space - long-term commitment	1
MRc1.2	Building reuse - maintain interior nonstructural elements	2
MRc2	Construction waste management	2
MRc3.1	Materials reuse	2
MRc3.2	Materials reuse - furniture and furnishings	1
MRc4	Recycled content	2
MRc5	Regional materials	2
MRc6	Rapidly renewable materials	1
MRc7	Certified wood	1

INDOOR ENVIRONMENTAL QUALITY		POSSIBLE: 17
EQp1	Minimum IAQ performance	REQUIRED
EQp2	Environmental Tobacco Smoke (ETS) control	REQUIRED
EQc1	Outdoor air delivery monitoring	1
EQc2	Increased ventilation	1
EQc3.1	Construction IAQ management plan - during construction	1
EQc3.2	Construction IAQ management plan - before occupancy	1
EQc4.1	Low-emitting materials - adhesives and sealants	1
EQc4.2	Low-emitting materials - paints and coatings	1
EQc4.3	Low-emitting materials - flooring systems	1
EQc4.4	Low-emitting materials - composite wood and agrifiber products	1
EQc4.5	Low-emitting materials - systems furniture and seating	1
EQc5	Indoor chemical and pollutant source control	1
EQc6.1	Controllability of systems - lighting	1
EQc6.2	Controllability of systems - thermal comfort	1
EQc7.1	Thermal comfort - design	1
EQc7.2	Thermal comfort - verification	1
EQc8.1	Daylight and views - daylight	2
EQc8.2	Daylight and views - views	1

INNOVATION		POSSIBLE: 6
IDc1	Innovation in design	5
IDc2	LEED Accredited Professional	1

REGIONAL PRIORITY		POSSIBLE: 4
RPc1	Regional priority	4

TOTAL	110

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

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

LEED for Commercial Interiors (v4)

		POSSIBLE: 2
Credit	Integrative process	2

LOCATION & TRANSPORTATION		POSSIBLE: 18
Credit	LEED for neighborhood development location	18
Credit	Surrounding density and diverse uses	8
Credit	Access to quality transit	7
Credit	Bicycle facilities	1
Credit	Reduced parking footprint	2

WATER EFFICIENCY		POSSIBLE: 12
Prereq	Indoor water use reduction	REQUIRED
Credit	Indoor water use reduction	12

ENERGY & ATMOSPHERE		POSSIBLE: 38
Prereq	Fundamental commissioning and verification	REQUIRED
Prereq	Minimum energy performance	REQUIRED
Prereq	Fundamental refrigerant management	REQUIRED
Credit	Enhanced commissioning	5
Credit	Optimize energy performance	25
Credit	Advanced energy metering	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	Long-term commitment	1
Credit	Interiors life-cycle impact reduction	4
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: 17
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	2

INNOVATION		POSSIBLE: 6
Credit	Innovation	5
Credit	LEED Accredited Professional	1

REGIONAL PRIORITY		POSSIBLE: 4
Credit	Regional priority	4

TOTAL	110

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

4. MOROSO AND LEED® 2009

The credits of the LEED 2009 BD+C protocol to which MOROSO products and systems can contribute are analysed below.

MATERIALS AND RESOURCES AREA

The Materials and Resources area is an area that considers the building's sustainability based on the materials used to construct it. Striving to achieve LEED® credits in the Materials and Resources (MR) area can reduce the amount of waste and improve the building's environment through responsible waste management and material selection.

The credits in this section focus on two important issues: the environmental impact of the materials used for the construction project and minimizing disposal. In relation to the first area, MOROSO has chosen to use wood that comes from a sustainable supply chain, obtaining FSC certification, and to use materials with recycled content.

MR c 2 - Construction waste management

The purpose of this credit is to divert construction and demolition waste away from landfills or incinerators.

Returning recovered recyclable resources to the production process and redirecting reusable materials to appropriate collection sites.

Moroso can help you achieve your goals with recyclable packaging.

The following types of packaging are used:

- Cardboard
- Film
- Other minor components.

MR c 4 – Recycled content

The purpose of this credit is to increase demand for building materials and products with recycled content, thereby reducing the impact of extracting and processing virgin materials.

MOROSO's proposed products can contribute to the MR c 4 credit with the following materials:

- METAL STRUCTURE: if the structure is made of metal, the metal used is primarily steel.

The amount of recycled content is detailed in the order stage, enabling an internal procedure for requesting it from suppliers with respect to specific orders. For information on specific orders, please contact the technical office.

MR c 5 - Regional materials

The purpose of this credit is to increase demand for construction materials and products extracted and processed within a limited distance, thereby supporting the use of local resources and reducing the environmental impact of transport, including by encouraging the use of transport with limited environmental impact such as by rail or sea.

On request MOROSO provides the postal code of its production site and of the suppliers of the requested products.

MR c 6 – Rapidly renewable materials

The purpose of this credit is to reduce the use and depletion of finite raw materials and renewable materials in the long term by replacing them with rapidly renewable materials. Rapidly renewable building materials and products are produced from agricultural products typically gathered in a 10-year or shorter cycle.

Moroso uses fabrics made of cotton, linen and/or wool fibres for its upholstery.

MR c 7 – Certified wood

The purpose of this credit is to encourage environmentally sound and responsible use of forest management.

MOROSO is FSC-certified with the following codes:

- certification code: DNV-COC-001197
- license number: FSC-C128413

INDOOR ENVIRONMENTAL QUALITY AREA

Ensuring the quality of the indoor environment requires a concerted effort by the client, design team, contractors, subcontractors, and suppliers. To provide optimal indoor environmental quality, automatic sensors and individual controls can be integrated into the building system to regulate temperature, humidity, and ventilation. Other indoor environmental quality issues addressed by the LEED® system include testing for thermal comfort, as well as for quantity and quality of natural light with access to outdoor views. All of these issues can enhance the quality of the indoor environment and optimize confined spaces for building occupants.

IEQ credit 4.5 – Low-emitting material: furniture

The purpose of the credit is to reduce contaminants within the building that are odorous, irritating, and/or harmful to the comfort and well-being of the installers and occupants.

Moroso has always carefully selected the products used to manufacture its own products. Moroso has carried out the ANSI BIFMA tests required by this credit to demonstrate low emissions of volatile organic substances on specific product lines. For information, please contact the Sales Office.

5. MOROSO AND LEED® V4

The credits of the LEED V4 BD+C protocol to which MOROSO products and systems can contribute are analysed below.

MATERIALS AND RESOURCES AREA

The Materials and Resources area is an area that considers the building's sustainability based on the materials used to construct it. Striving to achieve LEED® credits in the Materials and Resources (MR) area can reduce the amount of waste and improve the building's environment through responsible waste management and material selection.

The credits in this section focus on two important issues: the environmental impact of the materials used for the construction project and minimizing disposal. In relation to the first area, MOROSO has chosen to use wood that comes from a sustainable supply chain, obtaining FSC certification, and to use materials with recycled content.

In version 4 of the rating system, the Materials and Resources area is the area that undergoes the greatest changes compared to the previous version, also promoting companies' best practices and their environmental and social responsibility.

MR c 3 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.

Moroso has adopted management models of transparency and sustainability policies, which have led to the implementation of choices regarding materials, supplies and processes. The following characteristics contribute to meeting the Option 2 requirement of this credit through the following features:

a. FSC®-certified wood;

b. recycled content.

MOROSO is FSC-certified with the following codes:

- certification code: DNV-COC-001197
- license number: FSC-C128413

MOROSO's proposed products can contribute to the MR c 4 credit with the following materials:

- METAL STRUCTURE: if the structure is made of metal, the metal used is primarily steel.

The amount of recycled content is detailed in the order stage, enabling an internal procedure for requesting it from suppliers with respect to specific orders. For information on specific orders, please contact the technical office.

MR c 5 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.

Moroso can help you achieve your goals with recyclable packaging.

The following types of packaging are used:

- Cardboard
- Film
- Other minor components.

INDOOR ENVIRONMENTAL QUALITY AREA

Ensuring the quality of the indoor environment requires a concerted effort by the client, design team, contractors, subcontractors, and suppliers. To provide optimal indoor environmental quality, automatic sensors and individual controls can be integrated into the building system to regulate temperature, humidity, and ventilation. Other indoor environmental quality issues addressed by the LEED® system include testing for thermal comfort, as well as for quantity and quality of natural light with access to outdoor views. All of these issues can enhance the quality of the indoor environment and optimize confined spaces for building occupants.

With its products MOROSO can help to meet many requirements considered in this area.

EQ c 2 Low-emitting materials

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

Moroso has always carefully selected the products used to manufacture its own products. Moroso has carried out the ANSI BIFMA tests required by this credit to demonstrate low emissions of volatile organic substances on specific product lines. For information, please contact the Sales Office.

6. CONCLUSIONS AND SUMMARY

QualityNet believes that MOROSO S.p.A.'s products and systems can contribute to the achievement of the LEED certification score in the credits indicated in the following table:

LEED V 2009 CREDIT	Points	Title	Characteristics	POLYURETHANE	FOAM	NON-PADDED
MR c 2	From 1 to 2	Construction waste management	Site waste almost zero and recyclable	✓	✓	✓
MR c 4	From 1 to 2	Recycled content	Recycled content in glass	✓	✓	✓
MR c 7	1 point	Certified wood	FSC certification with chain of custody	✓	✓	✓
IEQ 4.5	1 point	Low-Emitting Material: furniture	Products with low VOC emissions	✓	✓	✓

LEED V 4 CREDIT	Points	Title	Characteristics	POLYURETHANE	FOAM	NON-PADDED
MR c 3	From 1 to 2	Building product disclosure and optimization - sourcing of raw materials	FSC certification of wood and recycled content in glass	✓	✓	✓
MR c 5	From 1 to 2	Construction and demolition waste management	Site waste almost zero and recyclable	✓	✓	✓
IEQ c 2	From 1 to 3	Low-emitting materials	Products with low VOC emissions	✓	✓	✓

For more detailed information, please contact the technical offices.

Although Qualitynet believes that the examined product can contribute to a LEED certification, please note that, globally, only GBCI (Green Business Certification Inc.) can award scores and issue a LEED certificate. In consideration of the fact that LEED certifies the building and not the materials, Qualitynet does not make any guarantee regarding the achievement of the score.

Iris Visentin LEED AP BD&C

HSE Moroso Spa Massimo Romanutti