

index has a green heart

INDEX products and LEED credits



**A decision made here and now will have
a consequence everywhere in the future.**

**INDEX: its commitment to the environment and to a building
industry, which thinks about the future of our children.**

KYOTO PROTOCOL

This is an international agreement that was ratified in 1997 with which 169 nations in the world committed to reducing greenhouse gas emissions in order to contrast climate change.

To reach these objectives work is now being carried out both on energy saving, through optimisation in the production stage and in the final use of high efficiency installations, buildings and systems, and the development of alternative sources of energy to fossil fuels, in favour of renewable ones.



WHAT IS SUSTAINABLE DEVELOPMENT?

Sustainable development is development that fulfils present requirements without compromising the possibility of the future generations fulfilling their requirements

WHAT IS SUSTAINABLE BUILDING?

It is the translation in building of the concept of sustainable development

SUSTAINABLE DEVELOPMENT OR SUSTAINABLE BUILDING

Is the awareness that a decision made "here and now" will have a consequence "everywhere in the future"

"Green Building", "sustainable building", "bio-building", "bio-architecture" and "eco-compatible design" are synonyms that indicate the design, construction and management of buildings with the awareness that a decision made here and now will have a consequence everywhere in the future. Therefore, it aims to reduce the impact of building on the environment and is the meaning of "sustainable development" in the building industry.

CONTAINING ENERGY IN THE BUILDING

In Europe buildings absorb more than 40% of the total energy consumption: a higher percentage than for transport or industry!

Even if Italy has the advantage of having a warmer climate, the total energy consumption of buildings, mainly for heat energy, is on average 300 kWh/m²/year (with peaks of 500 kWh/m²/year!); in Sweden it is 60 kWh/m²/year, and in Germany 200 kWh/m²/year.

The building envelope closes off the living environment in which comfortable climatic and environmental conditions are to be maintained and therefore more stable than the external environment, which is marked by greater variability. In order to obtain this, energy obtained from fossil fuels is consumed and the environment is polluted through the emission of harmful substances and carbon dioxide, leading to the greenhouse effect and heating up the planet. Therefore, building, like other human and industrial activities, is involved in the reduction of energy consumption, an objective that governments all over the world are imposing through laws, technical regulations and incentives.

Energy consumption in existing buildings is the first problem to be considered because it is ongoing, even if, as can be seen in the following chapters, it is not the only one considered in the design principles of BIO-ARCHITECTURE.

The legislative provisions for energy saving are concerned with reducing heat dispersion in buildings through issuing maximum thermal transmittance limits of the building envelope according to the climatic area in which they are located; this is fulfilled by increasing thermal insulation. Naturally, respecting the limits during the design and building stages makes no sense if the design solution does not last over time, and the durability of the insulation does not only depend on the quality of the insulating material. In fact, INDEX has not stopped at just producing high performance insulating materials but, in order to maintain the thermal insulation performance over time, with the specific aforementioned technical publications, it suggests the best protection systems, which are safe and easy to maintain and repair.



BIO-ARCHITECTURE

By definition BIO-ARCHITECTURE has a holistic vision of sustainability and imposes design choices that do not only regard energy containment in existing buildings.

Through interdisciplinary knowledge BIO-ARCHITECTURE seeks to improve the current quality of life preventing environmental pollution and the quality of life of future generations being compromised through excessive use of resources.

Therefore, as well as energy containment, the design principles of BIO-ARCHITECTURE must also consider urban/landscape integration, the use of renewable sources of energy, the environmental impact of building products through the analysis of their life cycle LCA (Life Cycle Assessment), the impact of the building stage, as well as a forecast of the environmental impact during the management and maintenance/repair stages, partial or total modification of the intended use for parts/all of the building, during its partial or total demolition and, at the end of its lifetime, recycling of the building materials.

The trend of architecture for sustainable development is not limited to the design of a "conservative" envelope from an energy standpoint, but intends to make the building envelope take on an "active" role in energy saving by designing buildings that can interact with the environment through their shape and orientation, the organisation of the internal areas, the design of horizontal roof gardens and vertical gardens on the sides of buildings, ventilated external walls, roofs and external walls with thermal solar energy collection and photovoltaic systems and doors/windows that use new transparent materials that can regulate the heat flow and/or produce energy from the sun, etc.



INDEX'S "GREEN" RESEARCH

A long time ago Index launched an intense research and development campaign into new materials and systems with reduced energy impact, both during laying and while in use.



The study did not just look at the finished product but also the production system for obtaining it. Since 2001 the INDEX factory has had ISO 14001 certification, voluntary certification controlled by an external organisation (Bureau Veritas) who certifies the environmental management adopted by the company for reducing the impact of its production activities on the environment.

Over the years, a wide range of materials have been created that respect the environment and reduce the risks of accidents on worksites, as well as a wide range of products and systems for energy saving in buildings, for safety and for comfort in the living environment.



INDEX produces materials and suggests systems for sustainable building in compliance with the Green Building Council criteria



GBC Italia has the task of using the common guidelines to everyone in the international community, **LEED** (Leadership in Energy and Environmental Design), to develop the characteristics of the "**LEED Italia**" system, which must take into consideration the specific climatic, building and legislative conditions in Italy.

LEED opts for a view of sustainability by making the most of all possibilities to reduce the various kinds of environmental impacts and harmful emissions of the buildings being built. **LEED** standards are parameters for sustainable building developed in the USA and indicate the requirements for eco-compatible buildings, able to "work" sustainably and self-sufficiently energy-wise. It is essentially a rating system for the development of "green" buildings.

LEED is a certification, which may be obtained on a voluntary basis, where the actual designer deals with collecting the data for the assessment. The system is based on the award of credits for each of the requirements that characterise the sustainability of the building.

The certification level obtained comes from the sum of the credits.

The assessment criteria used by **LEED 2009** (USA 2009 version) are grouped into seven categories, which envisage one or more compulsory prerequisites and a number of environmental performances that attribute the building's final score:

- Sustainable sites (1 prerequisite, 26 points)
- Efficient water consumption (1 prerequisite, 10 points)
- Energy and atmosphere (3 prerequisites, 35 points)
- Materials and resources (1 prerequisite, 14 points)
- Indoor environmental quality (2 prerequisites, 15 points)
- Innovation and design process (6 points)
- Regional priority (4 points) only applicable in the USA

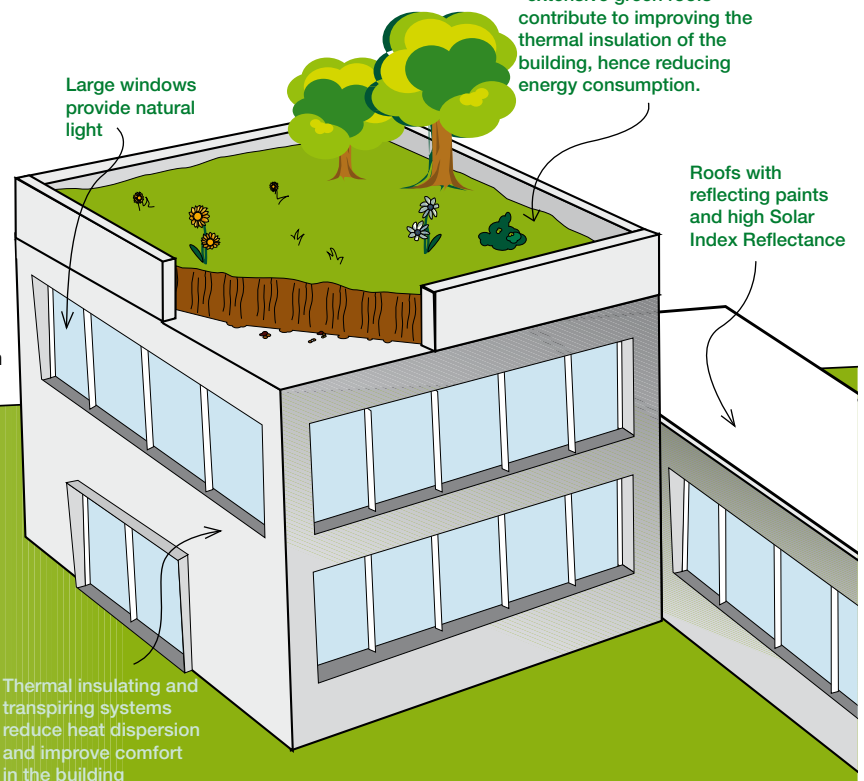
The sum of the points obtained in the 7 categories classifies the building into the 4 rating levels:

- Certified: between 40 and 49 points
- Silver: between 50 and 59 points
- Gold: between 60 and 79 points
- Platinum: More than 80 points

In order to make a correct design choice with sensitivity to the environmental issue, INDEX produces materials and suggests systems for sustainable building in compliance with the Green Building Council criteria, aimed at:

- Reducing the environmental impact of building materials both while they are being laid and while they are in use.
- Reducing indoor pollution.
- Reusing materials recovered from pre- and post-consumption of building products.
- Saving energy in buildings
- Reducing "urban heat islands".
- Reducing greenhouse gas emissions.
- Making progress in living comfort, eliminating the problems of humidity, heat insulation and sound insulation in the building.

SOME OF THE ELEMENTS THAT CONTRIBUTE TO THE AWARD OF LEED POINTS



INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

1st DIVISION

INDEX polymer-bitumen membranes and systems allow the LEED criteria to be met for the following points:

DEFEND ANTIROOT POLYESTER allows extensive green roofs and intensive green roofs to be created envisaged by points:

- **SS Credit 5.1: Site Development - Protect or Restore Habitat**

Green roof with INDEX materials and systems planted with local vegetation, avoiding monoculture and promoting biodiversity, with minimum maintenance and irrigation, which does not require the use of fertilisers, pesticides or weed killers.

- **SS Credit 6.1: Stormwater Design - Quantity Control**

Quantity control of stormwater with green roofs and permeable flooring, with collection for non-drinkable purposes (greywater)

- **SS Credit 6.2: Stormwater Design - Quality Control**

Quality control of stormwater with green roofs and collection in phyto-purification tanks

- **SS Credit 7.1: Heat Island Effect - Nonroof OPTION 2**

Reduction of heat island effects of roofs in parking areas with green roofs

- **SS Credit 7.2: Heat Island Effect - Roof OPTION 2**

Reduction of heat island effects of roofs in buildings with extensive or intensive roof gardens

INDEX **MINERAL white slate membranes** and **membranes painted** with INDECOLOR COOL REFLEX have a Solar Index Reflectance SRI ≥ 29 which allows the following points to be fulfilled:

- **SS Credit 7.1: Heat Island Effect - Nonroof OPTION 2**

Reduction of heat island effects of roofs in parking areas with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

- **SS Credit 7.2: Heat Island Effect - Roof OPTION 1 e 3**

Reduction of heat island effects of sloping roofs in buildings with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

Membranes painted with WHITE REFLEX have a Solar Index Reflectance SRI ≥ 78 which allow the following points to be fulfilled:

- **SS Credit 7.1: Heat Island Effect - Nonroof OPTION 2**

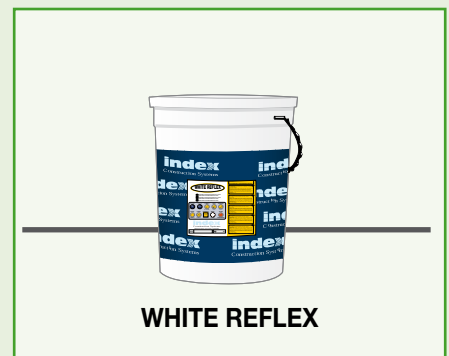
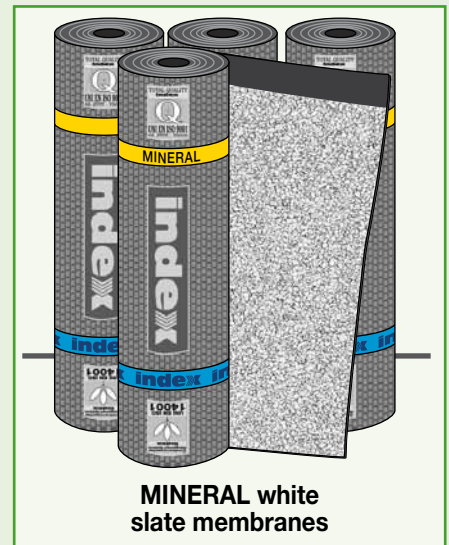
Reduction of heat island effects of roofs in parking areas with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

- **SS Credit 7.2: Heat Island Effect - Roof OPTION 1 e 3**

Reduction of heat island effects of flat roofs in buildings with Cool Roof which have a Solar Index Reflectance SRI ≥ 78

- **EA Credit 2: On-site Renewable Energy**

Membranes painted with WHITE REFLEX increase the efficiency of photovoltaic solar panels installed on the roof



INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

All the membranes produced by INDEX allow the following points to be fulfilled:

- **MR Credit 2: Construction Waste Management**

Scraps of polymer-bitumen membrane can be recycled in road asphalt or in the actual production cycle of the membranes; Index and the SITEB manufacturers' association are currently conducting a study on a recovery chain for the scraps of old layers.

- **MR Credit 4: Recycled Content**

Many INDEX polymer-bitumen membranes contain more than 10% recycled materials and some types contain over 20% (for more details on each specific product contact the company)

- **MR Credit 5: Regional Materials**

The INDEX polymer-bitumen membranes contain a quantity $\geq 20\%$ of raw materials produced within 500 miles (805 km) and the INDEX production site in Verona is located in a strategic central position with relation to the main most densely populated areas in Italy and Europe

- **MR Credit 1.1: Building Reuse Maintain Existing Walls, Floors and Roof**

The INDEX polymer-bitumen membranes allow the life of old bituminous layers to be extended (DVT) for "integral overlapping" of new membranes without demolition.

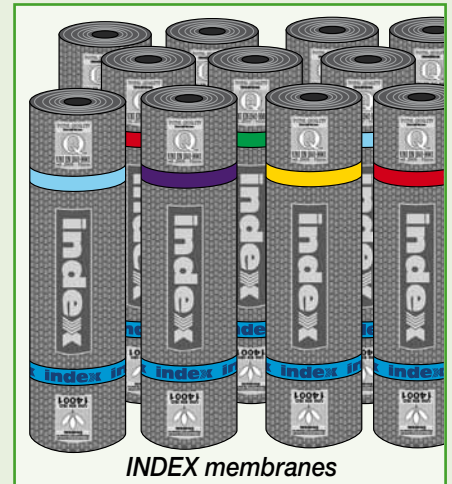
All the **layer arrangements** recommended by INDEX allow the following points to be fulfilled

- **MR Credit 1.1: Building Reuse - Maintain Existing Walls, Floors and Roof**

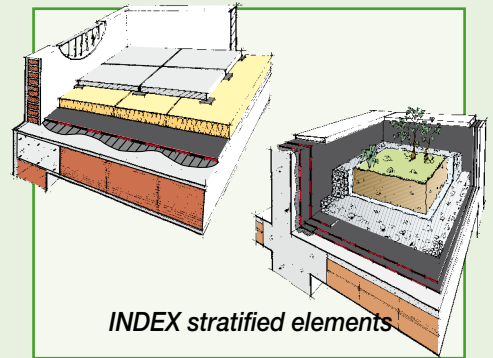
The dismantlable arrangements recommended in the INDEX technical publications allow existing roofs to be repaired with minimal environmental impact and less waste: multi-functional terraces with green, walking and driving areas with prefabricated partition walls, floors on HELASTORING, roofs for driving on with self-locking tiles, inverted roofs, the integral overlapping of new membranes on old layers without demolition, etc.

- **MR Credit 3: Materials Reuse**

The gravel of old PVC roofs, old panels of extruded PSE, old squares of Helastoring and old self-locking tiles can be reused for repairing the same building.



INDEX membranes



INDEX stratified elements

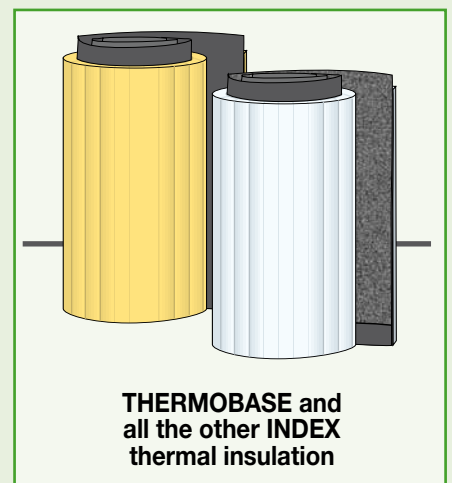
2nd DIVISION - 1st LINE

The INDEX products and systems for thermal insulation allow the LEED criteria to be met for the following points:

The **THERMAL INSULATION** and **THERMO-ACOUSTIC INSULATION** produced by INDEX allow the following compulsory prerequisite to be met:

- **EA Prerequisite 2: Minimum Energy Performance (COMPULSORY)**

All the thermal insulation produced by INDEX for roofs, external walls and partition walls between different living units allow the insulation levels envisaged by the regulations in force to be fulfilled. Index has drawn up special technical publications containing advice on the best layer arrangements, vapour barriers and waterproof protection layers necessary for long-lasting maintenance of the insulation performance.



THERMOBASE and all the other INDEX thermal insulation

INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

2nd DIVISION - 2nd LINE

The INDEX products and systems for acoustic insulation allow the LEED criteria to be met for the following points:

The acoustic insulation products manufactured by INDEX allow the following points to be fulfilled:

- **MR Credit 4: Recycled Content**

Many INDEX acoustic insulation products contain recycled materials (for more details on each specific product contact the company)

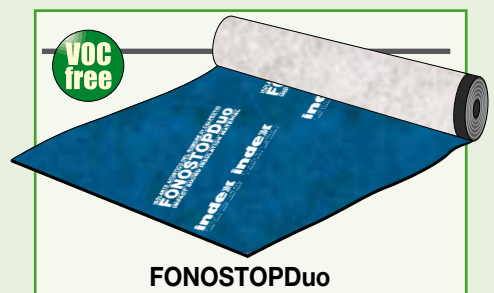
- **MR Credit 5: Regional Materials**

The INDEX production site in Verona is located in a strategic central position with relation to the main most densely populated areas in Italy and Europe.

The insulation against foot-traffic noise **FONOSTOPDuo** allows the following points to be fulfilled:

- **IE Q Credit 4.3: Low-Emitting Materials - Flooring Systems**

FONOSTOPDuo, the acoustic insulation used under floating screeds, has certification which proves the absence of emissions of carcinogenic agents and a VOC emission of 10 times lower than the value permitted by European legislation prEN 15052.



FONOSTOPDuo

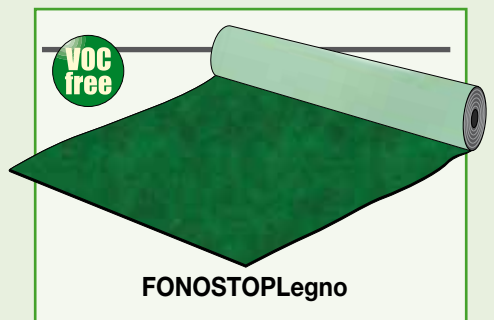
The insulation for foot-traffic noise **FONOSTOPLegno** allows the following points to be fulfilled:

- **MR Credit 1.2: Building Reuse - Maintain Interior Nonstructural Elements**

The adaptation to the foot-traffic noise insulation legislation of an old existing building can be obtained by dry laying FONOSTOPLegno without demolishing the old floor under a new floor in floating wood.

- **IE Q Credit 4.3: Low-Emitting Materials - Flooring Systems**

FONOSTOPLegno, the acoustic insulation used under floating wooden floors, has certification which proves the absence of emissions of carcinogenic agents and a VOC emission of 10 times lower than the value permitted by European legislation prEN 15052.

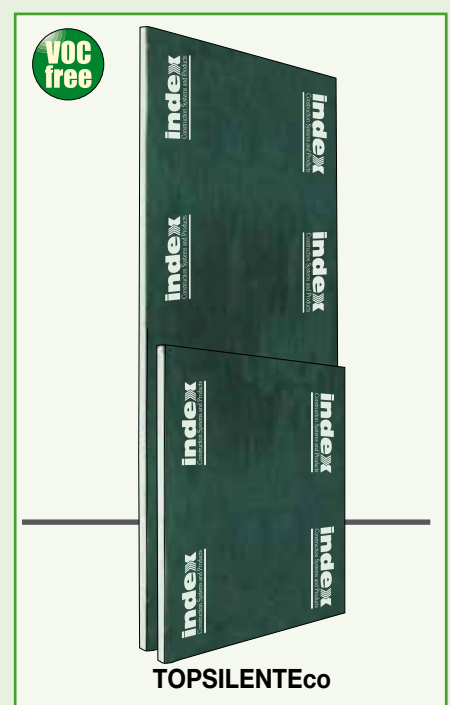


FONOSTOPLegno

The insulation against airborne-noise **TOPSILENTEco** allows the following points to be fulfilled:

- **IE Q Credit 4.3: Low-Emitting Materials - Flooring Systems**

TOPSILENTEco, the acoustic wall insulation, has certification which proves the absence of emissions of carcinogenic agents and a VOC emission of 10 times lower than the value permitted by European legislation prEN 15052.



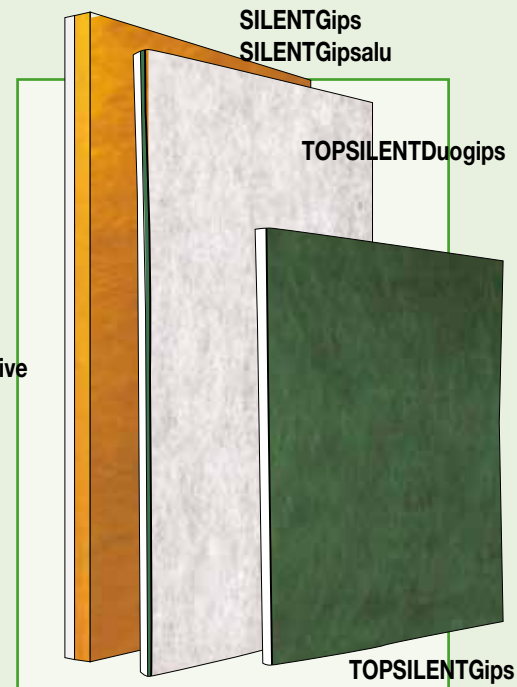
TOPSILENTEco

INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

The materials and systems for **light false walls** recommended by INDEX allow the following points to be fulfilled:

• **MR Credit 1.2: Building Reuse - Maintain Interior Nonstructural Elements**

The adaptation to the airborne noise insulation legislation of the walls and ceilings of an old existing building can be obtained without demolishing the old partition wall by using INDEX materials and systems for cladding and for light false walls



3rd DIVISION

The INDEX products and systems allow the LEED criteria to be met for the following points:

WHITE REFLEX paint applied to the surfaces of waterproofing membranes has a Solar Index Reflectance SRI ≥ 78 which allows the following points to be fulfilled:

• **SS Credit 7.1: Heat Island Effect - Nonroof OPTION 2**

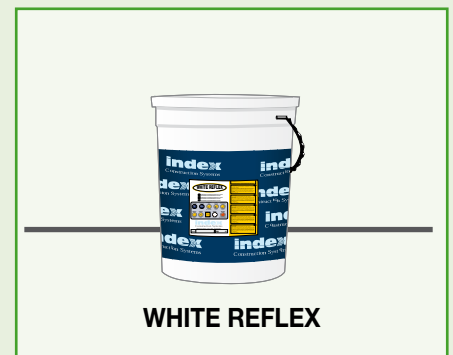
Reduction of heat island effects of roofs in parking areas with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

• **SS Credit 7.2: Heat Island Effect - Roof OPTION 1 e 3**

Reduction of heat island effects of flat roofs in buildings with Cool Roof which have a Solar Index Reflectance SRI ≥ 78

• **EA Credit 2: On-site Renewable Energy**

Membranes painted with WHITE REFLEX increase the efficiency of photovoltaic solar panels installed on the roof



WHITE REFLEX

INDECOLOR COOL REFLEX paint applied to waterproofing membranes has a Solar Index Reflectance SRI ≥ 29 which allows the following points to be fulfilled:

• **SS Credit 7.1: Heat Island Effect - Nonroof OPTION 2**

Reduction of heat island effects of roofs in parking areas with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

• **SS Credit 7.2: Heat Island Effect - Roof OPTION 1 e 3**

Reduction of heat island effects of flat roofs in buildings with Cool Roof which have a Solar Index Reflectance SRI ≥ 29

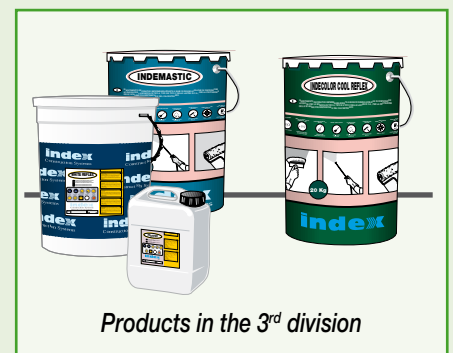


INDECOLOR COOL REFLEX

The products **ELASTOLIQUID, ELASTOLIQUID PUR, ELASTOLIQUID STRONG, INDECOLOR, INDECOLOR COOL REFLEX, PROTIFER, VERLUX, WATERBASE PRIMER, WHITE REFLEX, IDROFIX, IDROLASTIK, INDEMASTIC, SIGILSTIK, UNISIL G** allow the following points to be fulfilled:

• **MR Credit 5: Regional Materials**

Increasing the demand for building materials and products extracted and processed regionally, supporting the use of local resources and reducing the impacts on the environment due to transport. The following products contain more than 20% raw materials produced within 500 miles (800 km).



Products in the 3rd division

INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

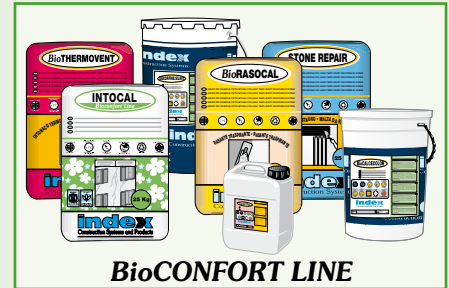
4th DIVISION

The INDEX products and systems allow the LEED criteria to be met for the following points:

The products **BioPOROVENT FONDO**, **BioFONDOCAL**, **BioINTOCAL**, **BioTHERMOVENT**, **BioDECORFINE P300**, **BioDECORFINE SIL 500**, **BioDECORFINE SIL 900**, **BioSTONE REPAIR**, **BioRASOCAL**, **BioCALCECOLOR**, **DECORFINE 500**, **DECORFINE 900**, **SILICOLOR** allow the following points to be fulfilled:

• **IEQ Credit 4.2: Low Emitting Materials - Paints and Coatings**

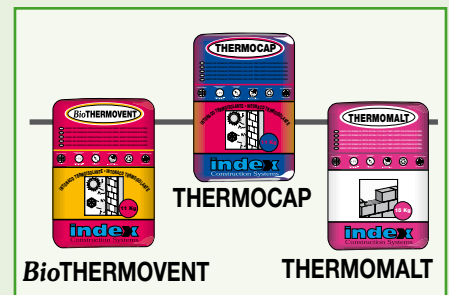
Reduction inside the building of contaminants that are odorous, irritating and/or harmful to the comfort and wellbeing of the installers and occupants.



The products **BioTHERMOVENT**, **THERMOCAP**, **THERMOMALT** allow the following points to be fulfilled:

• **IEQ Credit 7.1: Thermal Comfort - Design**

Creating a thermally comfortable environment that can promote the wellbeing and productivity of the occupants of the building



The products **BioPOROVENT FONDO**, **BioINTOCAL**, **BioTHERMOVENT**, **BioDECORFINE P300**, **BioDECORFINE SIL 500**, **BioDECORFINE SIL 900**, **BioSTONE REPAIR**, **BioRASOCAL**, **BioCALCECOLOR**, **DECORFINE 500**, **DECORFINE 900**, **SILICOLOR**, **BioTHERMOVENT**, **THERMOCAP**, **THERMOMALT**, **POROVENT FONDO PRONTO**, **POROVENT INTONACO PRONTO**, **DEUMISAN PRONTO**, **DEUMISAN LEGANTE**, **INJECTIONMUR**, **INTOPLAN**, **MUROMALT**, **IDROPLAN**, **MUROSUK**, **OSMOSEAL**, **OSMOSEAL FOUNDATION**, **BETONRAPID**, **FASTCEM**, **RESISTO TIXO**, **RESISTO TIXO RAPID**, **RESISTO REP**, **RESISTO UNIFIX**, **RESISTO UNIFIX RAPID**, **RESISTO FLUID**, **RESISTO FLUID ANCHOR**, **RASOSTUK**, **RASOFINE**, **RASOPLAN**, **RASOBETON**, **COATBOND** allow the following points to be fulfilled:

• **MR Credit 5: Regional Materials**

Increasing the demand for building materials and products extracted and processed regionally, supporting the use of local resources and reducing the impacts on the environment due to transport. The following products contain more than 20% raw materials produced within 500 miles (800 km).



The products **DEUMISAN PRONTO**, **INJECTIONMUR**, **INTOPLAN**, **MUROMALT**, **IDROPLAN**, **RESISTO TIXO**, **RESISTO TIXO RAPID**, **RESISTO REP**, **RESISTO UNIFIX RAPID**, **RASOPLAN** allow the following points to be fulfilled:

• **MR Credit 4: Recycled Content**

The following products contain a minimum amount of recycled material of at least 10%.



All the **products listed** above allow the following points to be fulfilled:

• **MR Credit 2: Construction Waste Management**

The products can be recycled 100% as inert material.

INDEX PRODUCTS AND SYSTEMS THAT HELP TO OBTAIN LEED POINTS FOR THE CLASSIFICATION OF SUSTAINABLE BUILDINGS IN ACCORDANCE WITH THE GREEN BUILDING COUNCIL

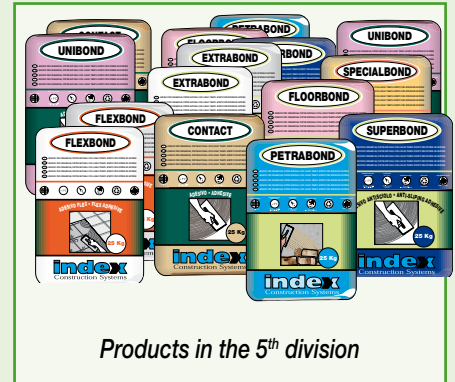
5th DIVISION

The INDEX products and systems allow the LEED criteria to be met for the following points:

The products **CONTACT, UNIBOND, EXTRABOND, FLOORBOND, SPECIALBOND, SUPERBOND, FLEXBOND, FLOORBOND FLEX, FLEXBOND MAXI, PETRABOND, WETBOND, WETBOND RAPID, RAPIDBOND, GLASSBOND, GENIUSTRONG, GYPSUMBOND, GRANICOL AB RAPID, FUGOCOLOR 0-4, FUGOCOLOR 2-12, FUGOCOLOR 4-15, FUGOCOLOR MAXI, FUGOFLEX 2-12, RASOBETON, COATBOND** allow the following points to be fulfilled:

- **IEQ Credit 4.1: Low Emitting Materials - Adhesives and Sealants**

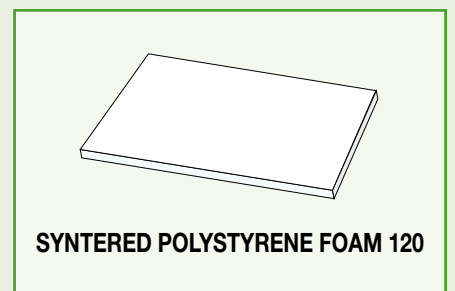
Reduction inside the building of contaminants that are odorous, irritating and/or harmful to the comfort and wellbeing of the installers and occupants.



The products **SYNTERED POLYSTYRENE FOAM 120** allow the following points to be fulfilled:

- **IEQ Credit 7.1: Thermal Comfort - Design**

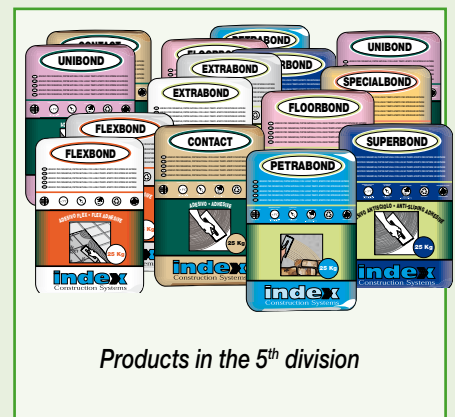
Creating a thermally comfortable environment that can promote the wellbeing and productivity of the occupants of the building.



The products **CONTACT, UNIBOND, EXTRABOND, FLOORBOND, SPECIALBOND, SUPERBOND, FLEXBOND, FLOORBOND FLEX, FLEXBOND MAXI, PETRABOND, WETBOND, WETBOND RAPID, RAPIDBOND, GLASSBOND, GENIUSTRONG, GYPSUMBOND, GRANICOL AB RAPID, FUGOCOLOR 0-4, FUGOCOLOR 2-12, FUGOCOLOR 4-15, FUGOCOLOR MAXI, FUGOFLEX 2-12, RASOBETON, COATBOND, DRYCEM, DRYCEM PRONTO, QUICKCEM, QUICKCEM PRONTO, QUICKTHERM, PLANORAPID, PLANORAPID MAXI** allow the following points to be fulfilled:

- **MR Credit 5: Regional Materials**

Increasing the demand for building materials and products extracted and processed regionally, supporting the use of local resources and reducing the impacts on the environment due to transport. The following products contain more than 20% raw materials produced within 500 miles (800 km).



All the **products listed** above allow the following points to be fulfilled:

- **MR Credit 2: Construction Waste Management**

The products can be recycled 100% as inert material.

INDEX PRODUCTS AND SYSTEMS WITH LOW ENVIRONMENTAL IMPACT

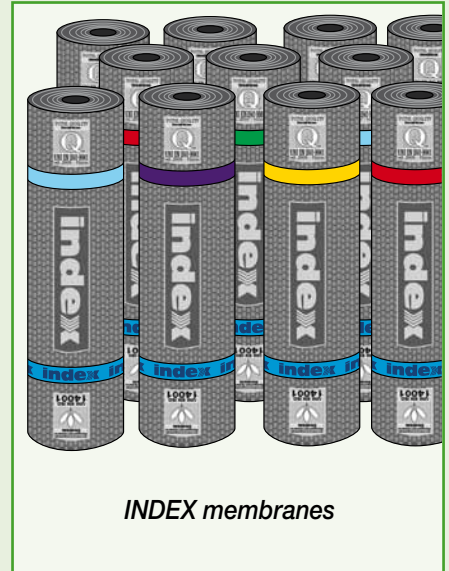
1st DIVISION

INDEX produces EC marked membranes to be used in waterproofing systems for which the EPD (Environmental Product Declaration) a voluntary declaration in conformity with ISO 14040 e ISO 14050 has been drawn up, which:

- Provides information on the environmental impact during the entire life cycle (LCA) of a product system/process or service that respects the minimum thresholds established by the PSR/PCR (product specific requirements) defined for that category by the relevant associations for fair comparison between products in the same category, based on the environmental performances
- It may be requested as a preferential criterion by public and private customers who intend to follow a sustainable purchasing policy in view of environmental protection

The EPD of polymer-bitumen membranes:

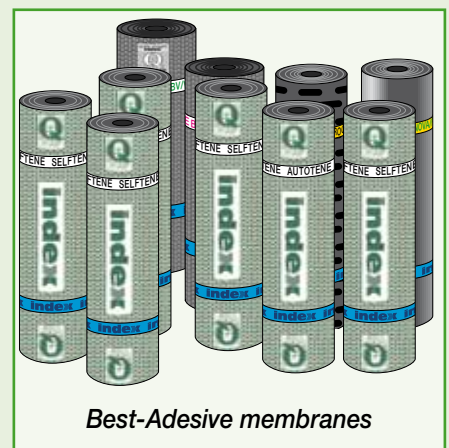
- Is analysed for the membrane within the context of the roof;
- The product is no longer the membrane but the layered roof arrangement where the protection carries out an important role;
- The study refers to the membrane because water tightness is the main role of the roof;
- The assessment was conducted on 6 basic layered arrangements.



Further environmental and safety qualities of innovative INDEX membranes:

INDEX produces innovative membranes that during laying allow higher safety and lower environmental impact levels to be obtained, compared to the standard membranes:

- The vapour barriers **TECTENE BV STRIP** and **PROMINENT** allow the thermal insulation to be glued strongly without using molten bitumen and the relative melting pot on the roof, eliminating the relative emission of irritating fumes and smells and, more importantly, the risk of serious burns for the operators.
- The Self-Adhesive, Self/Thermal Adhesive and Thermal-Adhesive membranes in the **Best-Adesive** series: are laid cold (for the thermal adhesives with reduced gas consumption), with consequent energy saving and reduction in CO₂ emissions (carbon dioxide - greenhouse gas), eliminating the risk of burns for the operators and the risk of the insulation and wood roofs going on fire.
- With the SELFTENE BV BIADESIVO membranes, used as a vapour barrier, the thermal insulation are glued cold, with the aforementioned benefits.



3rd DIVISION

The products: **WATERBASE PRIMER, ELASTOLIQUID PUR, ELASTOLIQUID PUR AU-TOESTINGUENTE, COVERCOL AB RAPID, ELASTOLIQUID, ELASTOLIQUID STRONG, PROTIFER, ECOVER, INDEMASTIC, IDROLASTIK, WHITE REFLEX, INDECOLOR COOL REFLEX, INDECOLOR, VERLUX, IDROFIX, SIGILSTIK, UNISIL G**

have low environmental impact because:

- they have a water base
- they are free from solvents
- they do not contain dangerous substances
- they do not require specific safety measures for the operators
- they are not hazardous for transport
- they conform to Directive 2004/42/CE regarding the maximum limits of VOC (volatile organic compounds) in paints



INDEX PRODUCTS AND SYSTEMS WITH LOW ENVIRONMENTAL IMPACT

4th DIVISION

The products: **DECORPLAST, PRIMER FIX, UNOLASTIC, OSMOLASTIC AB, OSMOFLEX AB, COVERCOL AB RAPID, ELASTOLIQUID B, RESISTO BIFINISHING AB, ELASTOLIQUID S, COLLASEAL, LATISINT, LATIFLEX, LATICRYL, STRATO 4900, ANTIPOLAR, FLUXAN, SATURFIX, AERFLUX, INDEXRETARD, UNISIL G**

have low environmental impact because:

- they have a water base
- they are free from solvents
- they do not contain dangerous substances
- they do not require specific safety measures for the operators
- they are not hazardous for transport

5th DIVISION

The products: **ELASTOBOND, COVERCOL AB RAPID, MASTIFLEX, FUGOFIX, FUGOFLUID, FUGOSEAL, UNISIL G, DECORPLAST, ISOLFIX G, OSMOLASTIC AB, OSMOFLEX AB, UNOLASTIC, ELASTOLIQUID B**

have low environmental impact because:

- they have a water base
- they are free from solvents
- they do not contain dangerous substances
- they do not require specific safety measures for the operators
- they are not hazardous for transport



*Products with low environmental impact
in the 4th division
and 5th division*

OTHER INDEX PUBLICATIONS ON ECO-COMPATIBLE BUILDING



• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

index
Construction Systems and Products

Internet: www.indexspa.it
e-mail Inform. Tecniche Commerciali: tecom@indexspa.it
e-mail Amministrazione e Segreteria: index@indexspa.it
e-mail Index Export Dept.: index.export@indexspa.it

Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 - Tel. (+39)045.8546201 - Fax (+39)045.512444

