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STONE ITALIANA

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STONE ITALIANA S.P.A. applies an integrated Quality, Health & Safety and Environment System compliant with ISO 9001, ISO 14001, ISO 45001 and ensures that all its products are non-hazardous to the health and uses cutting-edge equipment to produce them. Over the years, Stone Italiana has been awarded numerous internationally recognized certifications, proof to our Customers and End-Consumers of our focus on environmental care and people's welfare as well as the high standards of quality and safety of our products.

SYSTEM CERTIFICATIONS

ISO 9001 *Quality and Customer Satisfaction*



ISO 9001
ISO 14001
ISO 45001

Certificato n° 30700767 QM15
Certificato n° 30700767 UM15
Certificato n° 30700767 OHS18

This is the Standard Stone Italiana uses to implement a Business and a Quality Management System aimed at guiding business processes and improving the efficacy and efficiency of both production systems and performance. Stone Italiana's goal is to gain and also increase Customer and End-Consumer satisfaction through a continual process of assessing and analyzing the Company's business performance.

The elements that make up Stone Italiana's Quality Management System are:

- Focus on Customers and the market;
- Management of company resources in terms of people, equipment, technology, research & development, know-how and staff involvement;
- A process-based approach to every operation, whether internal or involving external parties;
- A systemic approach to business management;
- Operational control over critical processes and performance monitoring using process indicators;
- Continuous improvement;
- Decisions based on sure facts;
- Mutually beneficial relationships with Customers and Suppliers.

ISO 14001 *Environmental Management*

This is a voluntary Certification which Stone Italiana uses to implement an Environmental Management System ensuring careful use of raw materials, monitoring of emissions into the atmosphere, management of chemicals and check of environmental risks.

Through its Business Management System, Stone Italiana plans, schedules and monitors the following activities to protect the environment both inside and outside the Company:

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- Constant commitment to detecting any substances that may be harmful to human health by identifying all the hazardous materials released into the environment during the manufacturing and preparation of semi-processed and finished products. The solvents used during our production processes are within the permitted limits for pollutants discharged into the atmosphere and for air quality both during the manufacturing stage and when the final product is used. No toxic metal components are used;
- Strong focus on reducing and monitoring VOC (Volatile Organic Compound) emissions: VOC emissions are calculated and measures are activated and kept active in order to reduce these emissions both during the manufacturing stage and when the final product is used. We achieve this by:
 - Monitoring and measuring emissions in compliance with the Italian Law;
 - Purchasing substances with lower VOC content;
 - Performing chemical analyses in the workplace and medical check-ups on workers.
- Use of renewable resources in the place of non-renewable resources;
- Continuous focus on using materials with recycled content: Stone Italiana is constantly committed to analyzing ways to reuse materials left over by manufacturing processes in order to create new, innovative materials for worktops, floors and wall claddings;
- Recycling: we set up initiatives to encourage product recycling, such as enabling solid waste materials to be reused as road surfaces, by handing them over to qualified professionals in compliance with the relevant legal directives;
- Labelling, certification and life cycle assessments for every product and material;
- When purchasing raw materials, selection of the materials to purchase giving priority to those which ensure environmental sustainability or greater conservation of natural resources.

ISO 45001 *Occupational Health and Safety*

ISO 45001 (Occupational Health and Safety Assessment Series) is a voluntary Certification which Stone Italiana uses to implement an Occupational Health and Safety Management System.

The benefits of integrating health and safety into the overall Business Management System can be seen in the improvements in: the efficacy and efficiency of production cycles; the greater quality of the products and services provided; the reduction of the environmental impact of manufacturing processes; the optimization of the resources dedicated to safety; a reduction in the number of man hours lost to injury and illness; curtailment of damage to buildings, machinery and production caused by accidents; great staff loyalty to the Company; self-fulfilment; in less problem areas being identified by the inspection authorities and the creation of a responsible image for the Organization.

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PRODUCT CERTIFICATIONS

Stone Italiana's focus on people's welfare and environmental care has led the Company to be awarded numerous internationally recognized Certifications over the years; this provides proof to our Customers and End-Consumers of the high standards of quality and safety of our products as well as our focus on environmental protection and welfare.

NSF/ANSI STD 51 FOOD ZONE *Food Safety*



Stone Italiana's materials are bacteriostatic and "food contact proof", therefore suitable for domestic use, not only for the backsplash but also for the use on kitchen countertops, as certified by FDA (Food and Drugs Administration) USA with the conferral of the NSF

[SEE OFFICIAL LISTING](#) 51 Certification.

NSF (*National Sanitation Foundation*) is the largest Organization in the world in the field of verification and certification of food contact products and materials and their suitability for food contact. Stone Italiana's materials have been awarded with the most prestigious trademark NSF/ANSI STD 51 (*National Sanitation Foundation – Food Equipment Materials*) FOOD ZONE, thus ensuring the suitability for food contact. As every Standard NSF 51 certified material, they meet strict chemical analysis criteria to guarantee the purity requirements of the substances used for their manufacture as well as ensuring easy cleanability.

Stone Italiana's NSF51 certified products are available on the "Official Listing".

REGULATION EC no. 1935/2004 *Food Contact Materials*



In the European Union, food contact materials are governed by Regulation (EC) no. 1935/2004, which lays down the general principles for all materials that may come into contact with foodstuffs.

This Directive contains two distinct positive lists of all the monomers and additives suitable for food contact; it establishes an overall migration limit (OML) for substances composing the material that may come into contact with foodstuffs and that are released by the product into the food (which may depend on the temperature of use) of 60mg/kg, and for some substances lays down even stricter specific migration limits (SML).

The formulations used by Stone Italiana are specifically designed for food contact and make use only of the substances contained on the positive lists mentioned above. The Company, boosted by the UNI EN ISO 9001 Certification awarded to its Quality Management System, ensures that the production processes are managed and monitored in compliance with criteria that guarantee that the objectives declared regarding the food safety of the surfaces (OML under the permitted levels) are constantly attained and that the principle of traceability is adhered to. Therefore this type of product follows a production procedure dedicated to guaranteeing top standards of quality, with strict monitoring and tests carried out throughout the process.

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GREENGUARD & GREENGUARD GOLD *Environmental health*



Stone Italiana materials are safe for both people and the environment: they do not contain or emit volatile substances such as VOCs, which is why they have been awarded the prestigious GREENGUARD and GREENGUARD GOLD Certifications.



All the surfaces produced by Stone Italiana for use as floorings and wall claddings have been declared “low emitting”. In indoor environments and schools, they help keep indoor pollution levels to a minimum and therefore meet the strict criteria imposed by the GreenGuard Gold Certification programme.

GREENGUARD certifies the products and materials used in the construction of buildings; the requirements and criteria for emissions tests reflect the parameters for construction and protect the health of all those who use commercial spaces.

The GREENGUARD GOLD Certification concerns the materials and construction tools used in schools and healthcare facilities. Recognising that children and the sick are more sensitive to chemical pollution, the Greenguard Environmental Institute (GEI) has developed a Certification programme with even tighter VOC emission limits than those set for commercial spaces.

Products with GREENGUARD GOLD Certification meet the requirements set by the State of California for use in schools and healthcare facilities.

In order to ensure that VOC emissions stay within the accepted limits over time, Stone Italiana materials are periodically tested at the GREENGUARD laboratories; in this way it's guaranteed that volatile substance emissions will continue to respect the strict criteria set by the Organization.

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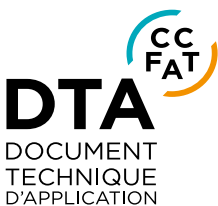
CE MARKING *Conformity with European Standards*



European Union Regulation 305/11 stipulates that building work must be planned and carried out in such a way as not to endanger the safety of people or goods. To this end, Stone Italiana SPA guarantees that its flooring materials comply with the European harmonized technical Standard UNI EN 15285:2008 on “Modular Tiles for Floorings and Stairs”.

The Declaration of Performance (DoP) is made by performing initial and periodical ITT tests (which must be carried out by an accredited laboratory) on each family of products. Stone Italiana keeps implementing and continuously documents its Factory Production Control (FPC) system designed to ensure that during the floor tile manufacturing process all the necessary controls to guarantee the conformity of the products with the performance parameters set by the CE Standard are carried out.

AVIS TECHNIQUE 12/18 -1778_V1 ***Stone Italiana materials' suitability for use***



Stone Italiana has also been awarded the prestigious French certification Avis Technique and holds the technical application document AVIS TECHNIQUE 12/18-1778_V1: this is drawn up by two panels of building industry experts. It deals with materials made using innovative techniques, and certifies their suitability for use. This Certification is issued by the French Organization CSTB only after rigorous laboratory testing and assessments carried out through inspections of large amounts of floorings supplied and laid in recent years in places such as shopping centres, lobbies, skyscraper landings, etc.. Avis Technique establishes that the materials are fit for the use they have been designed for, defines their technical features, decides whether they comply with the applicable Legislation and ensure that they are laid correctly using suitable binders.

Stone Italiana materials have been found to have unique characteristics in conformity with the Standard:

Floor tile sizes

Stone Italiana is the only Company in the world awarded the Avis Technique Certification for the 60x120 cm size; this means that Stone Italiana can supply large-format floor tiles that fulfil the technical requirements laid down by the strict French Legislation.

Floor tile thickness

Stone Italiana is also the only Company in the industry awarded the Avis Technique Certification for the 1 cm- thick tile. Thickness is crucial in the flexure bending test, where the material's ability to flex and therefore bear heavy loads is measured. By reducing the thickness of the material, its load-bearing capacity could be adversely affected; however, Stone Italiana's material, tested at a thickness of 1 cm, fulfils all the requirements laid down by the Standard.

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UPEC Classification

This is a functional classification system that certifies whether a certain flooring product is suitable for use in a certain room for a sufficient and reasonable time. Every private, commercial or public room with predominantly pedestrian traffic is classified on the basis of the stresses to which it is likely to be subjected, expressed as follows:

U = represents trampling wear

P = represents the mechanical stresses the floor is likely to be subjected to

E = represents the presence of water on the floor

C = represents the amount and intensity of chemical substances that may damage or leave stains on the floor

As far as the "U" category is concerned, Stone Italiana's quartz materials achieve a level 4, the highest- performance classification.

Regarding the "P" category, the products in the Quartz range in the 30x30cm and 60x60cm sizes have been awarded P4 classification, the highest possible level for resistance to mechanical stress for recomposed materials. It should be noted that the P4 classification means the flooring is suitable for use in rooms where heavy-duty cleaning and maintenance equipment is in frequent use. CSTB has drawn up a list of the different types of rooms with pedestrian traffic where P4 classified flooring is compulsory. These include:

- Airports
- Shopping centres
- Train/bus stations
- Hypermarkets
- Entrance lobbies (in cinemas, theatres, etc.)
- Offices
- Hospitals
- Student residences

As for the "E" category, the level 3 achieved by all Stone Italiana's materials in quartz and marble is a guarantee of their top performance in terms of water absorption.

Concerning the technical feature classified under the letter "C", which determines the resistance of the materials to chemical agents, Stone Italiana's Quartz range has been assigned the top classification, C2. French Legislation requires that the flooring in certain rooms must absolutely have C2 classification. These include:

- Public healthcare facilities
- Airports
- Train/bus stations
- Shopping centres
- Student residences
- Kitchens

With its "Quartz" and "Quartz with inserts" range, Stone Italiana fully conforms to the requirements laid down by French Law regarding this technical feature.

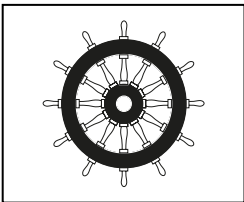
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Fire resistance EN 13501-1:2009

Stone Italiana recomposed quartz and marble colours in 1-1,3 cm thickness with a polyester resin content ranging between 7-11%, meet the requirements for the A2fl-s1 classification for use as flooring laid by being fixed with a bi-component glue. This means that they are non flammable materials.

MED 2014/90/EU Maritime Safety



Stone Italiana declares that its products comply with modules “B” and “D” required by the following Regulations:

MARINE EQUIPMENT DIRECTIVE (MED) 2014/90/EU - MED/3.18c – Surface materials and floor coverings with low flame-spread characteristics (floor coverings).

- *Module B: EC Type-Examination Certificate 0407-MED-388 (IG-046-2022)*
- *Module D: Quality Certificate 0407-MED-375 (IG-008-2022)*

The IMO Resolution MSC.307 (88) applied standards issued by IMO (International Maritime Organization) concern the limited flame spread of the materials and the toxicity and opacity of the fumes. Stone Italiana products are certified floor coverings.



LEED V4 BD+C Environmental Quality of the buildings

In order to make the product indicators legible, Stone Italiana uses an international metric to tell its characteristics, mapping its contribution to LEED V4 System, which is used in more than 160 Countries worldwide.

LEED® - (*Leadership in Energy and Environmental Design*) – is one of the most popular third-party Certification System of sustainable buildings in the world and it is declined for all types and for all stages of building development. It is a voluntary System, based on consensus and recognized internationally, which guarantees a third-party Certification to a building or a complex designed and built by adopting strategies aimed at improving environmental performances.

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LEED V4 is oriented towards a rigorous and at the same time flexible approach, based on performance and measurable results through the life cycle of a building.

This Certification is supported by a checklist that includes several categories of services: *IP Integrative Process*, *SS Sustainable Sites*, *LT Location & Transportation*, *WE Water Efficiency*, *EA Energy&Atmosphere*, *MR Materials and Resources*, *EQ Indoor Environmental Quality*, *IN Innovation*, *RP Regional Priority*.

Stone Italiana's products contribute to LEED V4 credits in the following areas:

1. *IP Integrative Process*
2. *MR Materials and Resources*
3. *EQ Indoor Environmental Quality*
4. *IN Innovation*

This System provides ample attention to the building materials, deepening the knowledge of the supply chain up to measuring its overall impact in terms of benefits for people and environment.



LCA The Life Cycle of the products

LCA is the Life Cycle Assessment of all product categories of Stone Italiana from the point of view of their environmental impacts, starting from the raw materials' extraction up to the end-of-life of the products themselves. The environmental impact results of Stone Italiana's products are available upon request.

EPD®



EPD The Environmental Product Declaration

The EPD of recomposed quartz products and Cosmolite® made by Stone Italiana is based on the Life Cycle Assessment (LCA) and it is calculated according to the Standards ISO 14040 and ISO 14044, the International System EPD®, the PCR 2012:02 vs 2.2 and third-party Certified – type III. The management and updating of environmental data regarding certified products are ensured by specific internal procedures of the ISO 14001 Environmental Management System. Stone Italiana obtained the EPD process certification in 2020, which allows the Company to internally manage the drafting and publication of the Environmental Product Declarations by implementing the Deming Cycle, the iterative management method in four phases for the control and continuous improvement of processes (PDCA cycle).



CARBON FOOTPRINT The greenhouse gases in the atmosphere

The carbon footprint shows the greenhouse gas emissions of Stone Italiana products, expressed in kg of CO₂ equivalent. The data is based on the verified results of a Life Cycle Assessment (LCA), used as the basis of an Environmental Product Declaration (EPD), compliant with ISO 14025 standard.

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CONTRIBUTION MATRIX TO LEED V4 BD+C

*The union between the Investor's demand and the Architect's duty**

 STONE ITALIANA CONTRIBUTION MATRIX TO LEED V4 BD+C	
INTEGRATIVE PROCESS 	
<input type="checkbox"/> IP CREDIT	INTEGRATIVE PROCESS
MATERIALS AND RESOURCES 	
<input type="checkbox"/> MR PREREQUISITE	CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT PLANNING
<input type="checkbox"/> MR CREDIT	CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT
<input type="checkbox"/> MR CREDIT	BUILDING LIFE CYCLE IMPACT REDUCTION [EPD] → OPTION 4 WHOLE BUILDING LIFE CYCLE ASSESSMENT
<input type="checkbox"/> MR CREDIT	BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - ENVIRONMENTAL PRODUCT DECLARATION → OPTION 1 ENVIRONMENTAL PRODUCT DECLARATION [EPD]
<input type="checkbox"/> MR CREDIT	BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - SOURCING OF RAW MATERIALS → OPTION 1 RAW MATERIAL SOURCE AND EXTRACTION REPORTING [SELF DECLARED REPORT] → OPTION 2 LEADERSHIP EXTRACTION PRACTICES [RECYCLED CONTENT]
<input type="checkbox"/> MR CREDIT	BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION - MATERIAL INGREDIENTS → OPTION 2 MATERIAL INGREDIENT OPTIMIZATION [REACH OPTIMIZATION]
INDOOR ENVIRONMENTAL QUALITY 	
<input type="checkbox"/> EQ CREDIT	LOW EMITTING MATERIALS [GREENGUARD GOLD CERTIFICATION]
<input type="checkbox"/> EQ CREDIT	CONSTRUCTION AIR QUALITY MANAGEMENT PLAN [GREENGUARD GOLD CERTIFICATION]
INNOVATION 	
<input type="checkbox"/> IN INNOVATION	100% NEW MATERIAL - RECYCLED CONTENT



*Thanks to LEED V4 mapping, you have available the contribution elements to LEED V4 BD+C credits of Stone Italiana's materials.

REV 05: 2022



ISO 9001 Certificato n° 30700767 QM15
ISO 14001 Certificato n° 30700767 UM15
ISO 45001 Certificato n° 30700767 OHS18

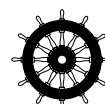


DTA
DOCUMENT
TECHNIQUE
D'APPLICATION

- STONIT QUARTZ
 - STONIT QUARTZ AVEC INCRUSTATIONS
 - STONIT QUARTZ AVEC INCRUSTATIONS CALCAIRES
 - STONIT MARBRE.
- n°12/18-1778_V1 publiée le 05/07/2019



SEE OFFICIAL LISTING





STONE ITALIANA S.P.A.

DAL 1979 TECNOLOGIA E DESIGN DEL QUARZO

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