



This document is compliant with the Italian Legislative Decree no. 65 from 15th March 2003.

**Stone Italiana recomposed quartz slab** is an inert product due to its features and for this reason it is not harmful either for humans or for the environment, depending on its use. People operating in this sector must protect their health by using all personal protective equipment (PPE) during wet or dry manufacturing process.

## 1. Product Identification

|     |                   |  |  |
|-----|-------------------|--|--|
| 1.1 | Product           | Recomposed Quartz  | REACH Registration No:<br>exempt under Article 3,<br>paragraph 3 of REACH<br>Regulation  |
| 1.2 | Use               | Floorings – Wall<br>claddings – Benchtops –<br>Custom-made materials<br>– cut-to-size items –<br>furnishing accessories  |  |
| 1.3 | Manufacturer      | <b>Stone Italiana S.p.A.</b>   | <i>Registered Office</i><br>Via Lavagno, 213<br>37040 Zimella - VR<br><br><i>Production sites:</i><br>Via Lavagno, 213<br>37040 Zimella - VR<br>Tel. +39 0442 715 715<br>Fax +39 0442 715 000<br><br>Via Trieste, 33<br>34070 Villesse - GO<br>Tel. +39 0481 917 11<br>Fax +39 0481 911 33 |
| 1.4 | Emergency numbers | <br> | +39 0442 715 715<br>+39 0481 917 11<br>+39 0442 715 000<br>+39 0481 911 33   |



|                              |  |  |   |
|------------------------------|--|--|---|
| <b>STONE ITALIANA S.P.A.</b> | Registered Office:<br>Via Lavagno, 213<br>37040 Zimella (Verona) | Establishment:<br>Via Lavagno, 213<br>37040 Zimella (Verona)<br>Tel. 0442 715 715 Fax 0442 715 000 | Establishment:<br>Via Trieste, 33<br>34070 Villesse (Trieste)<br>Tel. 0442 715 715 Fax 0442 715 000 |
| Date 01/01/2023              | Revision 16 - QUARTZ   | Press date 08/07/2022  | <b>Page 1 di 13</b>   |

## 2. Hazards Identification



Stone Italiana slabs do not carry any risks associated with CE Regulation no. 1272/2008, therefore they are not identified as dangerous product.

However during the manufacturing process these can generate dust containing respirable crystalline silica. This element, in case of prolonged exposure, causes irreversible damage to the lungs, such as silicosis. During cutting, honing and polishing phases, all operators must take adequate safety measures.

|      |   |   |   |  |
|------|---|---|---|--|
| 2.1. | In case of dust diffusion during dry or wet manufacturing process | Dangerous when inhaled                        |  | <p>H335<br/>It can irritate the airway.</p> <p>H350i<br/>May cause cancer by inhalation.</p> <p>H372<br/>Causes damage to organs (lungs) as a result of prolonged or repeated exposure (inhalation).</p> |
| 2.2. | Dangerous in case of contact with eyes                            | Crystalline silica can cause corneal abrasion |  | <p>P262 – Avoid contact with eyes, skin or clothes.</p> <p>P280 – Wear gloves/protective clothing. Protect eyes/face.</p>  |

### 3. Composition / Information on Ingredients

The finished material is a solid, compact agglomerated stone.

|      | Substance   | Component            | CAS No.    | %      | Hazards identification |
|------|---|----------------------|------------|--------|------------------------|
| 3.1. | Silica Sands<br>-Quartzes   | Crystalline silica   | 14808-60-7 | 84-88% | H335<br>H350i<br>H372  |
| 3.2. | Colouring Pigments  | Inserted in the slab |            |        |                        |
| 3.3. | Polyester Resins  | Inserted in the slab |            |        |                        |
| 3.4. | Catalysts   | Inserted in the slab |            |        |                        |
| 3.5. | Accelerator   | Inserted in the slab |            |        |                        |
| 3.6. | Special inserts:<br>- Glass<br>- Mirror<br>- Glitter<br>- Mother of pearl<br>- Gems<br>- Silicon metal<br>- Various Stone Grits<br>- Marble |                      |            |        |                        |

#### 4. First Aid Measures



|      |                             |  |
|------|-----------------------------|--|
| 4.1. | After inhaling:             | If a large amount of dust has been inhaled, take the person to fresh air. Consult a doctor if the irritation persists.   |
| 4.2. | After contact with eyes     | If this is caused by dust originating from the cutting or honing process, open your eyes and rinse accurately with water or an appropriate product. Remove contact lenses, if you are wearing them. Consult a doctor if the irritation persists. |
| 4.3. | Contact with skin           | Prolonged contact can cause skin dryness. Rinse accurately with soap and water.  |
| 4.4. | After ingestion             | In case of dust ingestion, rinse the oral cavity and consult a doctor.   |
| 4.5. | Actions to be avoided       | None   |
| 4.6. | Protection for first-aiders | None   |
| 4.7. | Instructions for doctor     | None in particular   |




#### 5. Fire Safety Measures










##### The material is not flammable (A2fl -s1) EN 13501-1

|      |                                    |  |
|------|------------------------------------|--|
| 5.1. | Adequate fire equipment            | All fire equipment   |
| 5.2. | Non adequate fire equipment        | None   |
| 5.3. | Possible hazards due to combustion | It can produce fumes or other dangerous elements due to combustion (mainly carbon monoxide, carbon dioxide). |






## 6. Accidental Release Measures

|      |  |   |
|------|--|---|
| 6.1. | The finished material is a solid compact agglomerated stone. |   |
| 6.2. | The product cannot cause emissions                           | <p>The material is certified Greenguard and Grenguard Gold therefore it is compliant to the regulations for quality of indoor air as for VOC (Volatile Organic Compounds).</p> <p><b>CERT. N. 9754-420</b></p>  <p><b>CERT. N. 9754-410</b></p>  <p>The material does not allow the migration of harmful substances from slab surface to food</p> <p><b>CERT. N. C0041678-01</b></p>  <p>See official listing</p> |

## 7. Handling & Storage

|      |                      |   |
|------|----------------------|---|
| 7.1. | Handling precautions | <p>The fabricator is responsible for evaluating risks to allow for an appropriate manual or mechanical handling of the product. For manual handling the use of the following PPE is necessary:</p>    <p>For mechanical handling the use of the following PPE is necessary:</p>  <p>Check ropes, slings and chains used for lifting</p>    |
| 7.2. | Storage              | <p>Slabs must be stored based on the following arrangement:</p> <ul style="list-style-type: none"> <li>- Polished slab against polished slab;</li> <li>- Raw slab against raw slab.</li> </ul> <p>The polished top can be damaged if not packaged or if wrongly handled or transported.</p> <p>Slabs must be stored in a protected environment and not exposed to sun rays.</p>   |

## 8. Exposure Control/Personal Protection

|        |                                    |   |
|--------|------------------------------------|---|
| 8.1.   | During wet and dry cutting phases: | Apply all measures to contain dust diffusion.   |
| 8.2.   | Collective Protection Measures     | The fabricator is responsible for evaluating risks associated with staff's exposure to dusts.<br>Local dust collector system for dust originating from cutting and finishing processes.   |
| 8.3.   | Personal Protection Measures:      |   |
| 8.3.1. | Respiratory Protection             | <br>Filtering facepiece (UNI EN 149) FFP3<br>Anti dust filter face piece: Filtering dust mask/half mask or full face mask (UNI EN 143) P3 class |
| 8.3.2. | Eye Protection                     | <br>Glasses  |
| 8.3.3. | Leg Protection                     | <br>Steel-toe boots "minimum" protection S1  |
| 8.3.4. | Hands Protection                   | <br>Gloves that enable material processing avoiding crushes, cuts and abrasions  |
| 8.3.5. | Body Protection                    | <br>Protective suit for inert dust   |
| 8.3.6. | Technical Measures                 | Local dust collector system   |

**9. 1 cm thickness – chemical and physical features**


|       |   | Regulation       | Unit of measure        | Recomposed Quartz                       |
|-------|---|------------------|------------------------|---|
| 9.1   | Appearance  |                  |                        | Solid body                              |
| 9.2   | Odour   |                  |                        | Odourless                               |
| 9.3   | Colour  |                  |                        | Depending on commercial range           |
| 9.4   | Water absorption  | EN 14617-1:2013  | %                      | $W_4 \leq 0,05$ ; $0,05 < W_3 \leq 0,5$ |
| 9.4.1 | Flexural strength<br><b>RECOMPOSED QUARTZ</b>               | EN 14617-2:2008  | MPa                    | $F_4 \geq 40,0$                         |
|       | Flexural strength<br><b>RECOMPOSED QUARTZ WITH INLAYS</b>   | EN 14617-2:2008  | MPa                    | $25,0 \leq F_3 < 40,0$                  |
| 9.5   | Abrasion resistance<br><b>MICROGRAIN QUARTZ</b>             | EN 14617-4:2012  | mm                     | $33,0 \geq A_3 > 29,0$                  |
| 9.6   | Abrasion resistance   | EN 14617-4:2012  | mm                     | $A_4 \leq 29,0$                         |
| 9.7   | Chemical resistance<br><b>QUARTZ AND QUARTZ WITH INLAYS</b> | EN 14617-10:2012 | min $C_1$<br>max $C_4$ | $C_4$                                   |
|       | Chemical resistance<br><b>QUARTZ WITH CALCAREOUS INLAYS</b> | EN 14617-10:2012 | min $C_1$<br>max $C_4$ | $C_1$                                   |
| 9.8   | Linear thermal expansion coefficient                        | EN 14617-11:2005 | 1/°C                   | $\alpha = 17-26 \times 10^{-6}$         |
| 9.9   | Fire resistance   | EN 13501-1:2009  |                        | A2 <sub>fl</sub> -s1                    |
| 9.10  | Thermal conductivity<br>(**) value as per chart             | EN 10456:2008    | W/(mK)                 | 1,28                                    |
| 9.11  | Thermal shock resistance                                    | EN 14617-6:2012  |                        | $\Delta m = -0,08\%$                    |
| 9.12  | Tactility/Visibility  |                  |                        | NPD                                     |

|       |  |                  |                        |  |   |
|-------|--|------------------|------------------------|--|---|
| 9.13. | Slipperiness<br>- POLISHED<br>- HONED 600<br>- GRAIN 2.0<br>- ROCFACE 2.0<br>- ROCPLAN 2.0 | EN 14231:2004    | SRV                    | Dry<br>- 40-47<br>- 38-42<br>- 44-56<br>- 68-85<br>- 69-94 | Wet<br>- 3-5<br>- 4-7<br>- 7-14<br>- 35-40<br>- 35-46 |
| 9.14. | Electrical Resistivity   | EN 14617-13:2013 | $\Omega m$<br>$\Omega$ | pvolume<br>psurface  | $> 10^{12}$<br>$> 10^{12}$                            |
| 9.15. | Impact resistance  | EN 14617-9:2005  | Joule                  | 2J; 11J on cm 2 thick                                      |   |
| 9.16. | Dimensional stability<br>(300x300x10mm)  | EN 14617-12:2012 | mm                     | Class A  |   |

## 10. Stability & Reactivity

|      |                                      |  |
|------|--------------------------------------|--|
| 10.1 | Hazardous Decomposition Products     | The product stays chemically stable under standard storage and temperature conditions.<br>Decomposition products are not known.<br>The material does not develop exothermic reactions. |
| 10.2 | Chemical stability                   |  |
| 10.3 | Incompatibility with other materials |  |

## 11. Toxicological Information

|       |                                   |  |
|-------|-----------------------------------|--|
| 11.1. | Acute toxicity and local effects: | Airways irritation   |
| 11.2. | Chronic toxicity (silicosis):     |  <p>Prolonged exposure to dry low-silica minerals dust can cause irreversible damage (silicosis).</p> <p>Exposure to respirable crystalline silica dust generated by a work process has been added to the list of carcinogenic agents. The occupational exposure limit for respirable crystalline silica dust has been set at 0.1mg/m<sup>3</sup> (DIRECTIVE EU 2017/2398 implemented in Italy through Legislative Act no. 44 of 01/06/2020).</p> <p>No limit values have been set for the population at large, therefore any workers exposed to “jobs involving exposure to respirable crystalline silica dust generated by a work process”, independently of the concentration of said agent in the air, are considered as being exposed through their occupation. This means they will be monitored by the health authorities and they will be inserted on a register of people exposed to carcinogens and mutagens.</p> |


## 12. Ecological Information



|      |  |
|------|--|
| 12.1 | Use according to good working practices, avoiding to disproportionately disperse the product in the environment. The product is very durable and practically non-degradable in nature. |
|------|--|

## 13. Comments on Disposal



|      |                                   |  |
|------|-----------------------------------|--|
| 13.1 | PRODUCT<br>EUROPEAN WASTE CODE:   | <b>R</b><br>01 04 13 Waste originated from stone processing, different from the one under item 01 04 07 (Verify regulations, local legislation on waste management). An annual waste characterization analysis must be carried out.  |
| 13.2 | PACKAGING<br>EUROPEAN WASTE CODE: | <br>STONE ITALIANA material packaging will have to be disposed of in accordance with local and national regulations: <ul style="list-style-type: none"> <li>- paper and cardboard packaging;</li> <li>- plastic packaging;</li> <li>- wood packaging;</li> <li>- unsorted packaging.</li> </ul> |

## 14. Transport Information



IMDG Update



ICAO








|      |           |   |
|------|-----------|---|
| 14.1 | ADR/RID   | Product not classified as dangerous goods |
| 14.2 | IMDG/IMO  | Product not classified as dangerous goods |
| 14.3 | ICAO/IATA | Product not classified as dangerous goods |

## 15. Regulation Information

|      |                                  |
|------|----------------------------------|
| 15.1 | CLP Regulation (EC) n° 1272/2008 |
|------|----------------------------------|

|                              |  |  |   |
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## 16. Other information

|      |   |
|------|---|
| 16.1 |  <p>The above information, which is based on the present level of our knowledge and experience, describes our product in view of possible H&amp;S requirements.</p>  |
| 16.2 |  <p>Fabricators are responsible for taking all the necessary actions in order to follow regulations regarding H&amp;S and environment protection.<br/>Fabricators are always responsible for respecting the terms of regulations.</p>  |
| 16.3 | The instructions given refer to the product used for its ordinary duty as described in point 1.   |
| 16.4 | The information included in this Safety Data Sheet is just a description on how to safely use the product and do not represent any guarantee on the features of the product.  |
| 16.5 | <p>We recommend using wet processing systems and/or dust control systems (aspirators).</p>  <p>In case of wet and dry processing, we remind you that respirable dust can harm your health.</p>  <p>H335 May cause respiratory irritation.<br/>H350i May cause cancer by inhalation.<br/>H372 Causes lung damage by prolonged or repeated inhalation.</p>  <p>P262 – Avoid contact with eyes, skin or clothes.<br/>P280 – Wear gloves/protective clothing. Protect eyes/face.</p> |