Re-Qualify System is Kronos innovative approach to Green and Eco-Sustainability. Re-Qualify System is Kronos new philosophy, approach and mission, to minimize the environmental impact in remodeling as well as new construction projects by:
reducing or fully eliminating the use of adhesives and setting materials;
reducing or fully eliminating the use of water;
reducing or fully eliminating any waste resulting from the production cycle.
All the above for a more environmentally friendly production cycle and the consequent significant results of both energy and economic savings.

KRONOS GREEN APPROACH

**CO2 REDUCTION**
In the last 10 years Kronos has reduced its CO2 emissions by no less than 17%. New investments for a further reduction are planned, using techniques for reutilizing heat generated during the production process and creating energy by cogeneration.

**GREEN ENERGY**
Kronos uses Green Energy. All electricity used at the Kronos plants is obtained from cogeneration and hydroelectric power station.

**RECYCLING PROCESS: ZERO WASTE**
Kronos tiles are produced following a specific process that allows the addition of recycle content to the layer body of the tiles. This makes possible for Kronos to use pre-and-post consumer waste to create a body layer and thus a tile of high quality.
Kronos tiles and slabs, consist of 60% to 70% recycled material, depending on the product.
The pre-consumer recycling system is 100%.
Post-consumer recycling is under study and some preliminary trials should start shortly.

**LOCAL RAW MATERIALS**
Kronos sources most of its natural raw materials for tile production in Europe (80%) and Italy (20%). All the raw materials come from a radius of 800 Km.

**H20 MANAGEMENT AND PURIFICATION**
All waste-water is reused through the manufacturing process, this is already 100%.

**RECYCLED/RECYCLABLE PACKING MATERIAL**
All our paper packaging materials are made from recycled paper and are further recyclable.
European transport of our products is on reusable “Europallets”, a pallet return system has been put in place.
Kronos participates in the “Interseroh Recycling Program” in Germany.
All intercontinental shipping is on special disinfected pallets “FAO”.
Kronos uses “Heat treatment certified pallets” that are disinfected by heat and not by poisonous gas.

**LIFE CYCLE ASSESTMENTS**
A life Cycle Assessment (LCA) is also known as an “eco-balance” or cradle-to-grave-analysis.
It is the investigation and evaluation of the environmental impact of a given product or service caused or necessitated by its existence.
Kronos tiles and slabs have a very long life cycle.
Technically, Kronos tiles and slabs may be used for many hundreds of years without losing their looks or their technical quality. Innovation and design plays a major role at Kronos.
Kronos has developed specific systems to install its Porcelain Pavers without cement, glues, mortar or setting materials both on floors and walls. It is no longer necessary to grout the joint line between Kronos Porcelain Pavers, our products can be installed “DRY”.
The elimination of setting materials allows significant savings in terms of cost and times of transportation and installation. The job sites are immediately available after Kronos Porcelain Pavers are dry installed while the use of traditional setting materials makes necessary to let the installation cure and dry. Kronos Porcelain Pavers dry installation also significantly reduces the creation of dusts and pollutants.
In fact the users of spaces created with Kronos Porcelain Pavers will be less prone to allergies and respiratory problems that may be caused by breathing residual dusts and moisture caused by traditional settings methods.
**Lighter and Easier to Handle Than Concrete Blocks**

**Superior in Fire Resistance and Durability to Wood Tiles**

**Superior in Strength and Impact Resistance to Ceramic Tiles**

**Supports Over 2000LB**

**More Cost Effective Than Grating or Grid Structures for Elevated Paving Installations**

**Resistant to Damage by Frost, Snow, Ice and Heat (-40°F - 210°F)**

**Easy to Install**

**Easy to Clean Stain, Chemical and Salt Resistant**

**Fade Resistant**

**Slip Resistant and Quick Draining**

**Easy to Install**

**Removable and Reusable**

**Available in a Broad Range of Colors/Styles**

SKE Mono 2.0 pavers are ideal for both temporary flooring at exhibitions, trade shows, festivals and other outdoor events or for permanent flooring over existing hard surfaces such as terraces, pathways, swimming pool surrounds and rooftop decks.

Since they can be installed either on hard surfaces such as concrete or on a compacted sand or gravel bed, they offer endless opportunities for landscape design creativity in both domestic and commercial applications.

**Installation on Single Ply Membranes**

**Installation on Grass**

**Installation on Gravel**

**Adhesive Installation on Footing**

**Floating Installation on Spacer Feet**

**Raised Installation on Flat Surfaces**
Kronos Porcelain Pavers are produced in manufacturing plans, member of the U.S. Green Building Council: this is an organization that promotes buildings that are environmentally responsible, profitable and healthy places to live and work.

**RECYCLED CONTENT**, MR Credit 4.1 and 4.2 (2 LEED points)
Kronos Ceramic products are produced with 79% of pre-consumer recycled materials.

**REGIONAL MATERIALS**, MR Credit 5.2 (2 LEED points are granted if the use of local raw material is equal to 20% of the total value of the raw materials)

These Credits are applicable for buildings constructed within 500 miles (804.5 km) from Kronos Ceramic production sites (Fiorano Modenese (MO), Pavullo (MO), Italy). The Countries within this territorial radius are: Italy, Switzerland, Austria, Belgium, Hungary, Czech Republic, Slovenia, Croatia, Serbia and the major part of France, Germany, Holland, Slovakia and Catalogne (Spain).

49% of whole Kronos Ceramic raw materials is quarried in the 500 miles radius. Therefore Kronos Ceramic products contribute for 49% of its value to the LEED Credits of this Section.

**HEAT ISLAND EFFECT** (Non roof), SS Credit 7.1 (1 LEED point)
The great majority of Kronos Ceramic products don’t contribute to change the energy balance of the environments where installed. They don’t produce any Urban Heat Island Effect, thanks to its very good physical properties Solar Reflectance Index SRI ≥ 29.

**LOW EMITTING MATERIALS**, EQ Credit 4.2 (1 LEED point)
No traces of VOC (Volatile Organic Compounds) are present in Kronos Ceramic Tiles (as certified by the external labs in charge of the tests).

**INNOVATION IN DESIGN**, ID Credit 1.1-1.4 (1-4 LEED points)

Kronos Ceramic Tiles are produced in manufacturing plans has got the prestigious ecological mark ECOLABEL (EU Regulation 2002/272/EC).

Kronos Ceramic Tiles are produced in manufacturing plants whit environmental management systems compliant to ISO 14001:2004 and EMAS (European Council Regulation 761/2001).

These environmental standards guarantee excellence in terms of: safeguard of the environment; continuous improvement of the environmental performances of Kronos Ceramic products and manufacturing sites; healthcare of Kronos Ceramic’s workers and customers.
PORCELAIN PAVERS
20 MM MONOLITICO

60x60 - 24”x24”

7903 MOONSTONE
7904 CREAMSTONE
7900 TEX GREY
7901 TEX BROWN
7902 TEX IVORY
7905 TIMBER TEAK
7906 TIMBER IPE’
### CARATTERISTICHE TECNICHE  
**TECHNICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>STANDARS</th>
<th>CHARACTERISTICS OR PROPERTIES</th>
<th>COMPLIANCE WITH STANDARDS</th>
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<tbody>
<tr>
<td>ISO 10545-3</td>
<td>Water absorption E ≤ 0,5 %</td>
<td>0,05 %</td>
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<tr>
<td>ISO 10545-9v</td>
<td>Thermal shock resistance Requested</td>
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<tr>
<td>ISO 10545-12</td>
<td>Frost resistance Requested</td>
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<td>ISO 10545-6</td>
<td>Abrasive wear &lt;175 mm²</td>
<td>139 mm²</td>
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<tr>
<td>ISO 10545-2</td>
<td>Thickness +/- 5,0 % MAX</td>
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<tr>
<td></td>
<td>vVLength and width +/- 0,6 % MAX</td>
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<tr>
<td>ISO 10545-4</td>
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<td>ISO 10545-13</td>
<td>Chemical resistance UB min.</td>
<td>UA ULA UHA</td>
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<tr>
<td>ISO 10545-8</td>
<td>Coefficient of linear thermal-expansion -</td>
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<td>ISO 10545-5</td>
<td>Impact resistance</td>
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<tr>
<td>EN 12825</td>
<td>Static load</td>
<td>Centre 9,6 Kn</td>
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<td></td>
<td></td>
<td>Centre point of sides 6,5 Kn</td>
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<td></td>
<td></td>
<td>Diagonal 8,19 Kn (CLASSE 3)</td>
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<td></td>
<td>Dynamic load capacity - hand object impact test</td>
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<tr>
<td></td>
<td>Dynamic load capacity - soft object impact test</td>
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<td>EN 1339</td>
<td>Bendind strength - breaking force in N</td>
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<td>ENV 12933</td>
<td>Slip resistance &gt; / = CL1</td>
<td>CL 2</td>
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<tr>
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<td>Fire resistance</td>
<td>A1 - A1 FL</td>
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**PACKAGING**

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<tr>
<th>SKE 2.0 MONOLITICO</th>
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<th>Pezzi per scatola</th>
<th>Colli per pallet</th>
<th>M² per pallet</th>
<th>KG per collo</th>
<th>KG per pallet</th>
<th>ingombro pallet</th>
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<tr>
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