Inspiration behind this collection comes through imagining an older torned wall paint concept embellished with the spots of color stains through deployment of the latest hi tech real touch feel technology on sintered compact surface. Recreating the magic of different metals and selected metallic series we have preserved the real aesthetic value of shining metals with rust effects to make the designs look authentically “Grunge”.

GRUNGE
COLLECTION - 2019
our exploration

At Simpolo, our source of inspiration often nurture by traveling and exploring through the wonders of the land, it is there we find the essence of our inspiration. These new design collection unites depth and simplicity, naturalness and mysticism, density and exquisite. The memories of the exploration becomes an ode to the beauty in any of the spaces. Because when nature speaks, spaces transform themselves into the life which we dream of.
Our Metals are the maximum expression of modernity and style. A way of life contemporary and dynamic linked to the primitive materials manually worked.
Grunge collection

Wall
Metallico Cenere _Size: 120x240 cm / 48"x95"
Metallico Cenere Strip _Size: 30x30 cm / 12"x12"

Floor
Metallico Intenso _Size: 120x240 cm / 48"x95"

SURFACES: Glint
THICKNESS: 9 mm
SURFACES: Glint
THICKNESS: 9 mm

Floor
Metallico Bronze × Size: 80x160 cm / 31"×63"

Wall
Metallico Peach × Size: 80x160 cm / 31"×63"
Metallico Bronze Strip × Size: 30x30 cm / 12"×12"

Floor
Metallico Bronze × Size: 80x160 cm / 31"×63"
A touch of elegance and personality. Creating spaces of deep effect and full of personality. Floor and wall decorations with ruined effect that tell stories upon the imaginations, with colors and sensations.

Vecchia vernice decor

A touch of elegance and personality.
Creating spaces of deep effect and full of personality.
Floor and wall decorations with ruined effect that tell stories upon the imaginations, with colors and sensations.
Grunge collection

Wall
Vecchia Vernice Ivory Decor _Size : 120x240 cm / 48"x95"
Vecchia Vernice Ivory Mosaic _Size : 30x30 cm / 12"x12"
Vecchia Vernice Ivory Brick _Size : 7.5x30 cm / 3"x12"

Floor
Vecchia Vernice Ivory _Size : 120x120 cm / 48"x48"

SURFACES: Glint
THICKNESS: 9 mm
SURFACES: Glint
THICKNESS: 9 mm

Wall
Vecchia Vernice White Decor _Size: 120x240 cm / 48"x95"

Floor
Vecchia Vernice White _Size: 120x120 cm / 48"x48"
A touch of elegance and personality.

The technique of recovery and aging, in English “distressed”, is a trend in interior design. The material effect obtained guarantees the creation of elegant and strong personality environments.

Vecchia vernice
Grunge collection

Floor
Vecchia Vernice White _Size: 120x120 cm / 48” x48”
Vecchia Vernice mosaic White _Size: 30x30 cm / 12” x12”

Wall
Vecchia Vernice White Decor _Size: 25x120 cm / 10” x48”

more faces available

SURFACES: Glint
THICKNESS: 9 mm
**Surfaces:** Gli in 1

**Thickness:** 9 mm

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**Vecchia vernice decor**

- **2** designs
- **4** colors

---

**Vecchia vernice**

- **2** designs
- **2** colors
**SURFACES:** Glint
**THICKNESS:** 9 mm
product introduction

Sintered compact surface is one of the most innovative and versatile surface covering material invented in this century and Simpolo is the first company in India to introduce the same.

All Natural Marbles, Granites and other varieties of stones are created in thousands of years by nature through Extreme heat and dynamic pressure.

Grunge collection

Impact Resistance

The sintering at exceptionally high temperatures up to 1223°C and above, therefore the technical characteristics of ceramics are strengthened and amplified. The resultant product has high strength with certain amount of elastic flexibility.

Zero Water Absorption (<0.05%)

The sintering of exceptionally high temperatures renders the product resistant to Scratching, staining and fading because of it’s near zero water absorption (<0.05%) whereas in case of Granite, it is 0.15%.

Stain Resistant

Low porosity makes these sintered surfaces impervious to harsh chemicals like bleach, hydrochloric acid and other cleaning agents. Sintered slabs are able to withstand extreme heat and can be spray painted with no irreversible damage to the material.

Sintering Technology

The latest Sintering Technology is capable of reaching very high temperatures up to 1223°C and above, therefore the technical characteristics of ceramics are strengthened and amplified. The resultant product has high strength with certain amount of elastic flexibility.

For wall application

For floor application

Fine detailing

Stain resistant

Water resistant
Traditional Floor Laying

Laying SIMPOLO SIC requires similar laying conditions to those required for traditional formats. Requires the adhesives to be applied both on the setting bed and on the back of the tile.

SIMPOLO tiles for flooring require the following conditions:

1. Preparation:
   - Clean and dry free from dust, stains and any traces of cement.
   - The setting bed must be uniform and free of any previous sub-base or integration process.
   - Any uneven parts on the surface must be filled with suitable leveling compounds.

INSTRUCTIONS REQUIRED:

- Cement-based powder adhesive for full spread
- 3mm square toothed trowel and 13mm round toothed trowel;
- Forms with suction cups for handling or double suction cups;
- Non-slip plastic marker 170x270mm;
- Leveling system base clips + wedge + spacers.

Processing stages

1. Preparation of the floor:
   - Ensure that the surface to be covered is dry, flat and free from dust and oiliness.

2. The adhesive is spread according to the specifications indicated in the technical data sheet of the chosen adhesive.

3. Spread the adhesive onto the surface to be covered with a 13mm round toothed trowel across an area of 50/50 cm more than the dimensions of the tile.

4. With the tile in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3mm square toothed trowel.

5. Using the frame with suction cups, bring the tile into a horizontal position and keep it.

6. To guarantee uniform bonding of the slab, the special SIMPOLO non-slip plastic material must be used, keeping from the middle towards the edges so as to remove any air pockets between the back of the tile, the adhesive and the surface to be filled.

7. Bring the leveling system.

LEVELLING SYSTEM

The leveling system aims to guarantee perfectly leveled floors simply and quickly, eliminating any unevenness between the tiles. The leveling system is strongly recommended for laying SIMPOLO tiles.

1. Tools required:
   - Base clips;
   - Wedges;
   - Adjustable pins for installing floor/wall tiles.

2. Application of the leveling system:
   - Position the base clips:
     - After laying the adhesive, insert the base clips below the SIMPOLO tile on the side.
     - Depending on the format of the tile, position one or more supports for each side of the tile.
   - Position the tile:
     - Inserting the wedge.
   - Inserting the wedge:
     - Position the wedge in the slot of the support, taking care not to exceed the bonding point.
     - To make sure the wedge is secure, it is recommended to use the adjustable pins.

3. Removing the support:
   - Once the adhesive has dried, the protruding part of the support can be separated from the base clip by tapping with your foot in line with the joint.

GENERAL ADVICE FOR GROUTING

For detailed advice concerning grout cleaning, please refer to the technical sheet, which gives clear and practical guidance on the recommended cleaning times, as many substances contaminated with salts create highly aggressive conditions that can be very strong. For porcelain stoneware surfaces do not use any acidic or synthetic-based cleaning products (alkaline) and do not add additives to the grout, as they make the removal of residues with standard detergents very difficult. However, should you decide to use them, it is recommended to make a detailed test off site.

Cleaning And Maintenance

Introduction

All SIMPOLO materials are easy to clean and maintain. Regular cleaning highlights the aesthetic features of the material and gives the floor an exceptional shine.

Initial Cleaning

The initial cleaning done immediately after the flooring task is of essential importance for removing all mortar, adhesives, epoxy residues that may be left in the joints. In this first stage, we recommend that you use an acid product such as DETERGENT, in a 1:5 concentration. Rub energetically to obtain the maximum cleaning. After washing the floor, which is just as important, rinse thoroughly with plenty of water to remove all traces of the detergent used. These steps are recommended for all SIMPOLO collections.

Maintenance And Care

Thanks to the characteristics of the production process (high firing temperature, raw materials of great quality, sintering process), the surface of SIMPOLO material is waterproof (low water absorption). Therefore, the dirt cannot penetrate. In case it is necessary to remove it from the surface. For this procedure, do not use detergents containing waxes or waxing products, in order to avoid the formation of greasy layers; for choosing the most appropriate detergent refer to the following chapter. After the installation of floors, particularly those made with polished materials, the surfaces should be adequately protected with particle board or other suitable materials in order to protect them from dirt and on-site processing. This prevents damage caused by subsequent processing.

General Recommendations

For commercial and heavily used surface areas such as airports, hospitals, supermarkets, and any public spaces with heavy foot traffic which are thus subject to considerable soiling, it is necessary to use automatic cleaning machines with suction of the washing liquids. This allows not only deep cleaning, but also the continuous removal of liquids containing substances that cause soiling, thus preventing the formation of films which are very difficult to remove. Any detergent on the market can be used in the desired concentration for cleaning the high technology sintered SIMPOLO products, with the exception of HYDROFLUORIC acid (HF) and compounds, according to UNI-EN 174 standards. In order to keep costs limited and speed up maintenance operations, the concentration of the detergent must always be as low as possible. For ideal results we suggest to choose bright or polished surfaces in large sizes; these materials can be dry cleaned or with the minimum use of liquids. After the floor is dry it is necessary to make a very accurate initial cleaning with proper products.

Matt Materials

For these materials, after completing the steps described in the section “Initial Cleaning”, you only need to clean the floor with hot water containing small quantities of an abrasive detergent such as PVA CLEANER in a concentration 1:200. On these types of surface it is not advisable to apply a waterproofing product; the absence of porosity causes the waterproofing agent to deposit on the surface in an uneven way and to have unpleasant aesthetic effects.
For highly aggressive cleaning caused by some common food and substances follow the table below.

<table>
<thead>
<tr>
<th>TYPE OF STAIN</th>
<th>CHEMICAL PRODUCT</th>
<th>EXAMPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease</td>
<td>Alkaline - Solvent</td>
<td>Detergent</td>
</tr>
<tr>
<td>Oil</td>
<td>Solvent</td>
<td>Ammonia, Backing Soda</td>
</tr>
<tr>
<td>Ink</td>
<td>Oxidant - Solvent</td>
<td>Alcohol, Liquid Bleach, Nail Paint Remover</td>
</tr>
<tr>
<td>Rust</td>
<td>Acid</td>
<td>Hydrochloric Acid, Vinegar, Red Harpic</td>
</tr>
<tr>
<td>Lime</td>
<td>Acid</td>
<td>Descaling Reagent, Hydro Chloric Acid</td>
</tr>
<tr>
<td>Cement</td>
<td>Acid</td>
<td>Hydro Chloric Acid</td>
</tr>
<tr>
<td>Wine</td>
<td>Alkaline</td>
<td>Ammonia, Liquid Bleach</td>
</tr>
<tr>
<td>Coffee</td>
<td>Alkaline - Solvent</td>
<td>Ammonia, Liquid Bleach</td>
</tr>
<tr>
<td>Rubber</td>
<td>Solvent</td>
<td>Alkaline, Thinner</td>
</tr>
<tr>
<td>Plaster</td>
<td>Acid</td>
<td>Hydro Chloric Acid</td>
</tr>
<tr>
<td>Candle Wax</td>
<td>Solvent</td>
<td>Alkaline, Thinner</td>
</tr>
<tr>
<td>Iodine</td>
<td>Oxidant</td>
<td>Liquid Bleach</td>
</tr>
<tr>
<td>Blood</td>
<td>Oxidant</td>
<td>Liquid Bleach</td>
</tr>
<tr>
<td>Ice Cream</td>
<td>Alkaline</td>
<td>Liquid Bleach</td>
</tr>
</tbody>
</table>

Note: It is recommended that any kind of stain needs to get clean immediately / as soon as possible.

### Technical Specification

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>STANDARD AS PER</th>
<th>MEAN VALUE OF SIMPOLO SCS</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regulatory Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deviation In Length &amp; Width</td>
<td>± 0.50%</td>
<td>± 0.10%</td>
<td>ISO-10545-2</td>
</tr>
<tr>
<td>Deviation In Thickness</td>
<td>± 5.00%</td>
<td>± 4.00%</td>
<td>ISO-10545-2</td>
</tr>
<tr>
<td>Straightness Of Sides</td>
<td>± 0.50%</td>
<td>± 0.10%</td>
<td>ISO-10545-2</td>
</tr>
<tr>
<td>Rectangularity</td>
<td>± 0.50%</td>
<td>± 0.10%</td>
<td>ISO-10545-2</td>
</tr>
<tr>
<td>Surface Flatness</td>
<td>± 0.50%</td>
<td>± 0.20%</td>
<td>ISO-10545-2</td>
</tr>
<tr>
<td>Color Differences</td>
<td>Unaltered</td>
<td>No Change</td>
<td>ISO-10545-16</td>
</tr>
<tr>
<td>Glossiness</td>
<td>As Per Mfg.</td>
<td>min. 4%</td>
<td>Glossometer</td>
</tr>
<tr>
<td><strong>Structural Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Absorption</td>
<td>≤ 0.50%</td>
<td>≤ 0.20%</td>
<td>ISO-10545-3</td>
</tr>
<tr>
<td>Apparent Density</td>
<td>&gt; 2.00 g/cc</td>
<td>&gt; 2.10 g/cc</td>
<td>DIN 51082</td>
</tr>
<tr>
<td><strong>Massive Mechanical Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>Min. 39N/mm²</td>
<td>Min. 40N/mm²</td>
<td>ISO-10545-4</td>
</tr>
<tr>
<td>Breaking Strength (≥ 7.5mm)</td>
<td>Min. 1300 N</td>
<td>Min. 2000 N</td>
<td>ISO-10545-4</td>
</tr>
<tr>
<td>Breaking Strength (&lt; 7.5mm)</td>
<td>Min. 700 N</td>
<td>Min. 900 N</td>
<td>ISO-10545-4</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>As Per Mfg.</td>
<td>Min. 0.55</td>
<td>ISO-10545-5</td>
</tr>
<tr>
<td><strong>Surface Mechanical Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface Abrasion Resistance</td>
<td>As Per Mfg.</td>
<td>Min. Class - 3</td>
<td>ISO-10545-7</td>
</tr>
<tr>
<td>Moh’s Hardness</td>
<td>As Per Mfg.</td>
<td>Min. 4</td>
<td>EN 101</td>
</tr>
<tr>
<td><strong>Thermo Hygroscopic Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frost Resistance</td>
<td>No Damage</td>
<td>No Damage</td>
<td>ISO-10545-13</td>
</tr>
<tr>
<td>Thermal Shock Resistance</td>
<td>No Damage</td>
<td>No Damage</td>
<td>ISO-10545-9</td>
</tr>
<tr>
<td>Moisture Expansion</td>
<td>Nil</td>
<td>Nil</td>
<td>ISO-10545-10</td>
</tr>
<tr>
<td>Thermal Expansion(COE)</td>
<td>Max. 6x10⁻⁶</td>
<td>Max. 6x10⁻⁶</td>
<td>ISO-10545-8</td>
</tr>
<tr>
<td>Cracking Resistance</td>
<td>As Per Mfg.</td>
<td>Min. 10 Cycle</td>
<td>ISO-10545-11</td>
</tr>
<tr>
<td><strong>Chemical Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>No Damage</td>
<td>No Damage</td>
<td>ISO-10545-13</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>Resistant</td>
<td>Resistant</td>
<td>ISO-10545-14</td>
</tr>
<tr>
<td><strong>Safety Properties</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>As Per Mfg.</td>
<td>&gt; 0.40</td>
<td>ISO-10545-17</td>
</tr>
<tr>
<td>Fire Resistance</td>
<td>As Per Mfg.</td>
<td>Fireproof</td>
<td>N. A.</td>
</tr>
<tr>
<td>Lead &amp; Cadmium given off by glazed tiles</td>
<td>As Per Mfg.</td>
<td>Does Not Yield Pb &amp; Cd</td>
<td>ISO-10545-15</td>
</tr>
</tbody>
</table>

### Packing Details

<table>
<thead>
<tr>
<th>PRODUCT SIZE</th>
<th>ACTUAL SIZE</th>
<th>THICKNESS</th>
<th>TILES / BOX</th>
<th>COVERAGE AREA / BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>120x240cm</td>
<td>1198x2398mm</td>
<td>9mm</td>
<td>1 pcs.</td>
<td>2.87 sq. mtr.</td>
</tr>
<tr>
<td>120x120cm</td>
<td>1198x1198mm</td>
<td>9mm</td>
<td>2 pcs.</td>
<td>2.87 sq. mtr.</td>
</tr>
<tr>
<td>60x120cm</td>
<td>600x1200mm</td>
<td>9mm</td>
<td>2 pcs.</td>
<td>1.44 sq. mtr.</td>
</tr>
<tr>
<td>80x240cm</td>
<td>798x2398mm</td>
<td>9mm</td>
<td>2 pcs.</td>
<td>3.83 sq. mtr.</td>
</tr>
<tr>
<td>80x160cm</td>
<td>798x1598mm</td>
<td>9mm</td>
<td>2 pcs.</td>
<td>2.55 sq. mtr.</td>
</tr>
<tr>
<td>80x80cm</td>
<td>798x798mm</td>
<td>9mm</td>
<td>3 pcs.</td>
<td>1.91 sq. mtr.</td>
</tr>
<tr>
<td>30x30cm</td>
<td>300x300mm</td>
<td>9mm</td>
<td>6 pcs.</td>
<td>0.54 sq. mtr.</td>
</tr>
<tr>
<td>7.5x30cm</td>
<td>75x300mm</td>
<td>9mm</td>
<td>40 pcs.</td>
<td>0.90 sq. mtr.</td>
</tr>
</tbody>
</table>

* Except Hydrochloric Acid & it's compound