

# Wall2Floor Terrazzo

Mineral powder system with Murano cotisso crystals, for horizontal interior surfaces

## PRODUCT DESCRIPTION

**Wall2Floor Terrazzo** is a mineral powder system, enriched with Murano cotisso crystals, for creating decorative finishes on horizontal indoor surfaces.

**Wall2Floor Terrazzo** is made by mixing, with water, **Wall2Floor Easyflat Bianco** (white levelling mortar), **Wall2Floor Terrazzo Carrara 3-6** (selected Carrara marble) and **Wall2Floor Terrazzo Vetro** precious *Cotisso di Murano* crystals. With the precious presence of Carrara marble and Murano glass, **Wall2Floor Terrazzo** amounts to an exploration of Italy's historical and handicraft heritage, with the intention of becoming an evocative, refined and elegant product.

## USES

After suitable preparation of the background, **Wall2Floor Terrazzo** can be applied on:

- Concrete
- screeds (sand and cement screeds, sand and specific binder for screeds, ready-made screeds, self-levelling sand and cement screeds)
- radiant and refreshing screeds with a minimum thickness, above the pipe, of 30 mm
- surfaces tiled with ceramics, porcelain stoneware, mosaics
- highly vitrified tiles (Klinker type)
- surfaces with pre-existing epoxy or polyurethane coatings
- natural and reconstructed stone surfaces

## TECHNICAL FEATURES

**Wall2Floor Easyflat Bianco:** white cement and synthetic resins, in powder form.

**Wall2Floor Terrazzo Vetro** (glass): Murano cotisso crystals

**Wall2Floor Terrazzo Carrara:** Carrara marble 3-6 mm

**Thickness when damp:** 10-12 mm

**Mixture life:** about 30 minutes at 25° C, RH=65%.

**Drying (at 25 °C and 65% R.H.):** walkable after 24-48 hours; sandable after 72 hours (at an applied thickness of 10 mm).

## PRECAUTIONS

In the case of new cementitious backgrounds, allow at least four weeks' curing time.

The application on radiant screeds must be carried out with the heating system off and across the entire surface in thermal equilibrium, at room temperature.

Do not apply onto damp substrates, or if there is rising damp.

Do not use the product beyond the pot-life, even if the mixture viscosity allows it.

During application, do not add water to reduce viscosity.

The mixing water must be dosed and kept constant for subsequent product-mixings.

Changing production batches may result in variations in the finish tone.

Stirring times must be kept constant.

**The dynamic joints must remain free in any absorptions of structural movement. They must never, for any reason, be joined or covered.**

## MIXTURE PREPARATION

**Wall2Floor Terrazzo:** add 5 kg of **Wall2Floor Terrazzo Vetro** and 5 kg of **Wall2Floor Terrazzo Carrara 3-6 mm** with 20 kg of **Wall2Floor Easyflat Bianco**, and mix with 3,5-3,6 l of water. Slowly pour the water into the mixture and use a mechanical stirrer at low speed to mix. The resulting mixture must provide an even, thixotropic mortar that has no lumps of unmixed material in it. Mixing cannot be carried out manually.

Mixture life: about 30 minutes at 25° C, RH=65%.

## BACKGROUND PREPARATION

The surface must be mature, dry and free from humidity salts, waxes, oils and dust, flat and adherent to the background.

For further details on preparing the background, please refer to "**Wall2Floor Manual**".

## APPLICATION

Using a stainless-steel notched trowel, spread a layer of **Wall2Floor Terrazzo**. It is very important to try to make an even and flat layer of about 10-12 mm thickness. Immediately brush over the surface with a steel-needle roller. This operation is of key importance, as it also eliminates the air trapped inside the mortar. Spiked shoes may be required to move freely on the surface.

## SANDING AND FILLING

When the background is fully dry, sand **Wall2Floor Terrazzo** using a planetary sander with suction function, and diamond abrasive discs on a metal support. Continue with the sanding phases, continuously removing any dust on the surface. The sanding operations may remove some of the embedded aggregates. To restore surface flatness and evenness, you can use a filler on the entire surface. Mix **Wall2Floor Terrazzo Grout** (cement grout) with **Wall2Floor Component B** in a 1 to 2 ratio until a shapeable grout is obtained. Apply the mixture onto the surface with stainless steel trowel or plastic trowel, filling the missing areas appropriately. If necessary, repeat the operation. Wait to dry, then sand the surface until it is completely even.

## SANDING AND POLISHING

When the background is fully dry, sand **Wall2Floor Terrazzo** using a planetary sander with suction function, and diamond abrasive discs. Continue with the sanding phases, continuously removing any dust on the surface. Proceed in the sequence of abrasives until the desired degree of polish is achieved.

## SURFACE PROTECTION

Before applying protective finishes, the surface must be washed and cleaned.

### Filmogenic protection:

The filmogenic (film-forming) protection involves applying **Mineral Sealer** and then **Wall2Floor Clear Finish Bi-Component**.

**Mineral Sealer:** two-component epoxy primer for mineral finishes

Mixture ratio by weight: 10 parts of component A + 7 parts of component B

Mixture preparation: blend in component **Mineral Sealer Component A** with any sediments. Pour **Mineral Sealer Component B** into **Mineral Sealer Component A** and mix by hand for approximately 45-60 seconds.

Thinning: dilute the mixture obtained (0.50 l of component A + 0.35 l of component B) by adding 2,1-2,5 l of water.

Application tools: with brush, to saturate the surface.

Pot-life: about 60 minutes.

Application: apply a layer of previously-prepared **Mineral Sealer**. Distribute the product evenly on the surface taking care to saturate the porosity of the background. The protective finish must not be applied more than 72 hours after the previous coat.

Number of coats: 1

Yield (referred to the diluted mixture A+B): 8-12 m<sup>2</sup>/l, each coat.

Drying time: to the touch, approx. 1-2 hours; can be overpainted after 3-4 hours.

**Wall2Floor Clear Finish Bi-Component (Satin or Glossy):** two-component water-based polyurethane finish

Mixture ratio by weight: 10 parts of component A + 3 parts of component B.

Preparation of the mixture: homogenize **Wall2Floor Clear Finish A** from any sedimentations. Pour the respective component B into **Wall2Floor Clear Finish A** and mix by hand for approx. 45-60 seconds. Alternatively, you can mix with a mechanical mixer fitted with a propeller with slow mixing movement for about 1 minute. The mixture obtained must be free of lumps, any unmixed portions of the two components, and any impurities.

Dilution: it is possible to dilute the mixture by adding up to 10% of water.

Before applying each layer of **Wall2Floor Clear Finish**, we recommend filtering the mixture with a cloth, nylon or funnel filter with a mesh opening of from 40 to 90 microns.

Application tools: medium-pile roller.

Pot-life: about 60 minutes.

Application: apply two coats of previously-prepared **Wall2Floor Clear Finish**. Distribute the product evenly over the entire surface, without leaving any bumps/lumps. Pay particular attention when laying on corners and edges. Allow adequate drying time between coats.

Number of coats: 2

Yield (referred to the mixture A+B): 6-7 m<sup>2</sup>/l, in two layers.

Drying time: 4-6 hours; walkable after at least 24 hours; complete hardening: 7 days.

The first cleaning operations must be carried out after hardening, and generally at least after **7 days** (calculated at an average temperature of 25°C at 60% humidity).

### Non-film-forming protection:

The non-film-forming protection requires the application of **Wall2Floor Sealer Idro/Oleo Repellente** and subsequently **Wall2Floor Maintenance Wax**.

The **non-film-forming protection** gives the treated surface a reduction in surface absorption and it provides mild protection against accidental contact with water.

**Wall2Floor Sealer Idro/Oleo Repellente:** water-based protective coat/sealant for interiors

Product preparation: homogenize the product before the use.

Dilution: ready to use

Application equipment: wax spread veil or damp cloth.

Application: apply the excess product, taking care to saturate the porosity of the substrate. Wait a few minutes for the product to penetrate the surface and then remove any excess. Apply a second layer wet on wet, following the procedures described above.

No. of coats: 2

Coverage: 4-8 m<sup>2</sup>/l, for each layer.

Drying time: touch dry after around 2-4 hours; complete 24 hours

**Wall2Floor Maintenance Wax:** self-polishing liquid wax for interiors

Product preparation: homogenize the product before the use.

Dilution: ready to use

Application equipment: wax spread veil or damp cloth.

Application: apply the excess product, taking care to saturate the porosity of the substrate. Wait a few minutes for the product to penetrate the surface and then remove any excess. Apply a second layer wet on wet, following the procedures described above.

No. of coats: 1-2

Coverage: 8-15 m<sup>2</sup>/l, for each layer.

Drying time: touch dry after around 2-4 hours; complete 24 hours

The first cleaning operations must be carried out after drying, in general after at least **1-2 days** (based on an average temperature of 25°C and a humidity of 60%)

## RECOMMENDATIONS

Check in advance the suitability and condition of equipment and personal protective equipment (goggles, gloves, knee pads, etc). The correct use of equipment and personal protective equipment (PPE) is recommended during all phases of background and product preparation, and of application).

Do not expose the products for long periods to direct heat sources or to temperatures below +5° C.

If the products are stored at temperatures close to +5°C, before use, we recommend bringing them to a suitable temperature to condition them at a temperature of use of not less than +10°C.

Do not use a direct heat source, flame, hot body or similar. Low temperatures increase the viscosity in the can making it difficult to use and lengthen or inhibit the drying and hardening process of the various products.

Do not apply at air, background and product temperatures below +8° C or above +35° C.

Do not apply if there is surface condensation, on surfaces with salt bloom or surfaces subject to rising damp.

Ambient humidity must be < 75%; background humidity must be < 4%.

In all the application phases of the **Wall2Floor Terrazzo** system, the removal of the adhesive tape must be carried out before the applied layer has completely hardened.

We recommend finishing each job with materials from the same batch of manufacture. When using different production batches, to avoid slight differences in colour shades, we recommend mixing the different batches together. For works where, due to uncontrollable events, you must continue with a new batch, do not try to join colours on the same surface. For the joining, use any interruptions in the surface's continuity, such as mouldings, edges, expansion joints, etc..

Make sure you have placed the required amount of material especially on the corners, protruding edges, steps and risers. Airing the room is essential in order for the floor to dry and mature properly.

Avoid covering the floor with materials that prevent it from breathing. Any cover used to temporarily protect the floor must be laid only for the time strictly necessary to complete other work, and then be removed immediately.

It is good practice to always use new or well-cleaned tools, replacing them if necessary at the end of each application cycle.

## Important notes:

**Wall2Floor Terrazzo** is a hand-crafted product that is created on-site. For this reason, if you look at **Wall2Floor Terrazzo**, you may notice a surface that is not perfectly shiny but slightly amber-coloured, with a few small holes and, over time, larger grain losses, which can be restored. It is not possible to completely rule out the possibility of cracks or small fissures forming.

Sanding **Wall2Floor Terrazzo** around the perimeter of the wall is not an easy operation and, together with possible hydraulic shrinkage, may result in slight undulations.

We recommend taking precautions to prevent dust, insects or other materials brought in accidentally, for example, by the wind, from being trapped on the surface. It should also not be forgotten that all materials are subject to wear and tear, and therefore scratches. Pay particular attention when applying the product to surfaces exposed to prolonged contact with water.

## EQUIPMENT CLEANING:

With water immediately after use.

## YIELD

**Wall2Floor Terrazzo (Wall2Floor Easyflat Bianco + Wall2Floor Terrazzo Vetro + Wall2Floor Terrazzo Carrara 3-6 mm):** 15-18 kg/m<sup>2</sup> per 10 mm thickness

## COLOURS

**Wall2Floor Easyflat Bianco** (white)

**Wall2Floor Terrazzo Vetro** (glass): Aquamarine, Amethyst, Blue, Grey, Topaz, Green.

**Wall2Floor Terrazzo Carrara 3-6 mm:** white Carrara marble

**Wall2Floor Terrazzo Grout:** latex white

## PACKAGING

**Wall2Floor Easyflat White:** 20 kg drum

**Wall2Floor Terrazzo Glass:** 5 kg drum

**Wall2Floor Terrazzo Carrara 3-6 mm:** 25 kg drum

**Wall2Floor Terrazzo Grout:** 1 l pot

## STORAGE LIFE CONDITIONS

**Wall2Floor Easyflat Bianco** and **Wall2Floor Terrazzo Grout** have a shelf-life in the original, well-sealed container, of about 12 months, provided they are stored in a covered warehouse at a temperature between +10° C and +30° C. **Wall2Floor Terrazzo Vetro** and **Wall2Floor Terrazzo Carrara 6 mm**, if previous storage conditions are met, do not expire.

Contains: cement

H318 Causes serious eye damage. H315 Causes skin irritation. H335 May irritate the respiratory tract. H317 May cause an allergic skin reaction. P101 If medical advice is needed, have the product container or label available in order to provide adequate information. P102 Keep out of reach of children. P501 Dispose of contents/container in accordance with national regulations.

For further information, see safety data sheet.

The SAN MARCO GROUP guarantees that the information in this data sheet is given to the best of our experience and technical and scientific knowledge. However, because application conditions are beyond our control, we cannot assume responsibility for the results obtained from its use. We recommend always checking the actual suitability of the product to each individual case. This sheet cancels and replaces all previous ones.