

## Technical Data

### MAGNESITE TERRAZZO

**Product description:** Magnesite Terrazzo is a two-components mineral product, completely ecological. It is obtained by blending alkaline-earth metal-oxides and specific additives. When mixed with a specific aqueous solution of salts, it gives origin to an easily workable smooth paste. Such paste is extremely adapt to be mixed with aggregates of various sizes and materials, such as marble or glass.

Magnesite can thus be applied either in thin layers or in thick coats, both with high mechanical strength and high durability. These features make it most suitable to achieve long-lasting, seamless floors. When it dries it is white in colour with a light yellow/pink hue. It can be tinted with oxides, tinting pastes and earth pigments to achieve the desired final shade.

Magnesite Terrazzo is unique among other products for seamless floors, since it is completely mineral, free from hydraulic binders, lime or gypsum. It reaches high mechanical strength in a short time and has natural antistatic and antibacterial properties.

Magnesite Terrazzo is a decorative finish suitable to achieve seamless interior floorings and finishes for furniture and architectural details. It can be used directly on new or properly primed substrates. Due to its unique aesthetic and technical performances, it is suitable for application in showrooms, offices, boutiques, flats, restaurants and high traffic areas like shopping malls etc.



<b>Appearance Part A</b>	Ivory colour - powder
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<b>Appearance Part B</b>	Milky - Liquid
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<b>Average consumption per mm of thickness</b>	2 Kg/m <sup>2</sup> without marble added
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<b>Pot life of the mix (20°C):</b>	about 30 minutes
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<b>Mixing time:</b>	2 – 3 minutes
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<b>Minimum and maximum thickness:</b>	5 mm to 14 mm
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<b>Installation temperature:</b>	+15°C /+ 30°C
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<b>Shelf life:</b>	6 months in an unopened package and in a dry and fresh place with temperatures between +5°C/+30°C. Protect from frost
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<b>Mixing ratio:</b>	Magnesite Floor A = 48 Kg (2 bags) B =20 Kg (1 pail)
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Meccanic Characteristics	
Resistance to compression at 1 g UNI EN 13892-2; 2005>	27 N/mm <sup>2</sup>
Resistance to flexion at 1 g UNI EN 13892-2; 2005	> 8,5N/mm <sup>2</sup>
Resistance to compression at 7 g UNI EN 13892-2; 2005	> 55 N/mm <sup>2</sup>
Resistance to flexion at 7 g UNI EN 13892-2; 2005	> 10 N/mm <sup>2</sup>
Resistance to compression at 28 g UNI EN 13892-2; 2005	> 70 N/mm <sup>2</sup>
Resistance to flexion at 28 g UNI EN 13892-2; 2005	> 12 N/mm <sup>2</sup>
Resistance to usury (Taber) Mole H22 – 1000 giri-1000 g UNI EN ISO 5470-1	160 mg
Fire reaction: - small flame UNI 8457: 2010 - radiant heat UNI 9174: 2010	CLASS 1

#### WARNING

- Apply exclusively in interiors.
- Apply the product only in temperatures between 15°and 30°C; otherwise please contact our technical office for support.
- Avoid applying the material in contact with a source of persistent humidity or water.
- Do not apply on frozen surfaces or with the possibility of frost within 24 hours after the application.
- Do not apply on overheated supports.
- Use it as it is supplied and so not add any other product, except for the indicated amount of quartz for the preparation layer, the oxides and the retardant.
- Wash the tools and the equipments with fresh water, straight after use.
- Apply a final protection cycle in order to obtain an hydro/oil-repellent finish; consult our technical office.
- The instructions and information contained in this manual correspond to the best of our knowledge, but they should be regarded as merely indicative and subject to confirmation after long-term testing of the applicator.

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### WHERE TO APPLY

Cementitious screeds, anhydrites, concrete, ceramics, wood floors.

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### APPLICATION

The substrate must be dry, solid, free from dust, grease or dirt. Remove all loose parts, paints, waxes, grease, rust, gypsum etc. Abrade the ceramic areas. Concrete substrates, especially when dusty or porous, will have to be abraded or peened till reaching a solid substrate. Loose substrates must be consolidated. Treat the substrate with an epoxy primer by roller, while spreading quartz sand on it. The day after you can apply Magnesite Terrazzo. Mix into a concrete mixer component A (one 24 kg bag of powder) with Component B (10 litres of liquid) and add the mixture of aggregates, such as marble stones, glass, mother of pearl chips or other (20 to 24 kg depending on the required finish). The mixture of aggregates has to have a correct granulometric curve. If necessary add the colour pigments. Mix it for two minutes and leave it to rest for 3-4 minutes, then mix again for 30 seconds.

Pour the plaster on the floor and level it using a concrete pole, making it vibrate on the mixture to get the air bubbles out.

Protect from air currents (doors, windows) and direct sun.

Leave it to dry two days, and then sand it with disks with diamonds from coarse to fine. During this operation, fill the holes that might appear with the special Magnesite Filler Plaster tinted in the base color of the floor, using a rubber spatula.

Apply two coats "wet on wet" of our Normal Primer diluted 1 to 14 with water. Leave it to dry completely. Once dry, complete the work with the desired top coat. We suggest our PU2C, polyurethane varnish, applied in two coats.

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