TERRAZZO ALLA VENEZIANA

DESCRIPTION

Flooring of a thickness 8-12 mm, made of granulated marble up to 18 mm, mixed with superfluid transparent epoxy resins, cast and finished by hand then smoothed and polished.

SIRTEC'S TERRAZZO FLOOR

SIRTEC s.r.l has introduced an impoerant technological innovation to the sector. Cement is no longer used because it doesn't fully meet the needs of the market in terms of quality.Instead, epoxy resin bindings are used. SIRTEC's epoxy resins are the most suitable material because of their inalterability over time, strong cohesion and high level mechanical characteristics.
The perfect transparence of the resins used brings out the marble's natural colours without using synthetic oxides. The use of epoxy bindings in Terrazzo notable improves its mechanical properties while leaving unchanged the peculiar aesthetical characteristics of frulian atrisan's ancient flooring.

USES

Terrazzo alla Veneziana is the suggested flooring for the most welcoming area of the house and it is suitable for elegant hotel rooms, bars, restaurants and for prestigious interiors in companies, banks and official offices.It can also be laid on existing floors as long as they are in a good state of repair. Its low weight per square metre doesn't bear heavoly on old and weak structures such as those in historical town centres. The flooring elasticity reduces the risk of cracking, even in large areas.
SIRTEC's flooring can be customized and embellished by inserting mosaic bands or rosettes and decorations made of wood, glass, metal and much more, according to the designer's imagination.

CHARACTERISTICS OF TERRAZZO

• NATURAL COLOURING
The colouring is given exclusively by the granules and powders naturally present in marble, without using any synthetic pigments.

• GOOD ELASTICITY
Reduces the risk of cracking in large areas

• EXCELLENT WEAR AND TEAR RESISTANCE
This floor is characherized by an excellent resistance to wear and tear and a high level of hardness. These characteristics allow its use in both private and public places and areas with heavy foot traffic

• IDEAL WITH UNDER FLOOR HEATING
SIRTEC's Terrazzo absorbs the expansion caused by sudden changes in temperature better than a Terrazzo with cement bindings and it also transmits heat better.

• SMALL THICKNESS = CONTROLLED WEIGHT
From 8-12mm means a reduced weight per square metre: from 22 to 28kg/m2 approximately

• SWIFT LAYING
On average it takes two working weeks to complete a 100m2 room. This is possible because polishing can start just 24 hours after casting.

• IMPERMEABILITY
Water and oil proof, the surface is practically impermeable and non absorbent.

• NON-INFLAMMABLE
SIRTEC's Terrazzo alla Veneziana is certified class 1 in reaction to fire so can be laid in public areas.

• THE BINDING
Epoxy resins are non-toxic and odour free. They don't release vapours and they aren't inflammable. These characteristics remain during and after hardening

GENERAL INFORMATION

Possible irregularities in the distribution of the granules and slight chromatic and finishing variations prove that the laying of this floor is not not with prefabricated industrial methodology.
When the floor is finished and polished, it is necessary to protect the surface with cardboard or nylon because further work such as paiting or installation etc could damage it.

CLEANING

Low-porosity and the absence of leakage guarantee a floor which is hygienic and easy to clean. SIRTEC's Terrazzo doesn't require a lot of maintenance. To clean it, simply wash the floor with a neutral detergent. Waxing two or three times a year is advised to maintain the shine.

CHEMICAL RESISTANCE **Product hardened for 7 days at 23 °C according to norm UNI EN 14817-10**	
Agent	**Value**
acetic acid (sol.aqueous 10%)	4 attacks the surface
acetone	4/5
ammonia (sol. acqueous 10%)	5
red wine	3
citric acid (sol. acqueous 10%)	4 attacks the surface
detergent solution	4/5
coffee (appliet at 80°c)	5
black felt tip pen (papermate)	1
ethanol (sol. acqueous 48%)	5
olive oil	4
coca cola	4/5
sodium carbonate (sol. acqueous 10%)	5
sodium chloride (sol. acqueous 10%)	5
tea (applied at 80°c)	4 turns opaque
condensed milk	4/5
lager	4/5
hydrochloric acid	4 attacks the surface
sodium hydroxide	4/5

The judgement of appearance variation has been valued according to the grey scale in nom ISO 105 A02 in which the value 5 correspons to no chromatic variation, while the value 1 corresponds to a notable chromatic variation. The judgement according to this scale also allows indications of half points.

NOTE: The data shown in the two tables are based on technical tests carried out in a laboratory on out of use samples of a type of classical Veneziana. They are to be considered indicative and should be verified with the type of marble chosen by the customer.

MECHANICAL RESISTANCE OF BATTUTO ALLA VENEZIANA (according to norm UNI)			
Product hardened for 7 days at 23°C			
specific weight	2,2 kg/dm^3	electrical insulation	> 10^{13} Ω
ultimate tensile stress under compression	> 60 N/mm^2	softening point	> 60°C
ultimate tensile stress under flexotraction	> 20 N/mm^2	fire reaction class	1
module of elasticità (static)	20.000 N/mm^2	mohs: scale of surface hardness	65
coefficient of heat expansion	0.0038 mm/m°C	resistance to the action of acids and detergents	B
adherence to concrete per traction	> 3,5 N/mm^2	stain resistance class	2
hardness	85 Shore A	abrasion resistance	0,47 mm
lengthening breaking point	approx. 0,1 %	imbibition	< 0,30 %