



# MONOLITH GRANA GRANDE

## SCHEDA TECNICA

Revisione : 25/03/2025

Prodotto: **Monolith Grana Grande**

Categoria: Linea Impero

Azienda: Loggia

### **General Characteristics**

MONOLITH is a floor covering formulated with special resins and selected fillers that provide exceptional mechanical performance. The product has high adhesion characteristics, excellent water resistance, excellent flexibility and high surface hardness.

### **Use**

Indicated for floors and walls inside or outside homes, offices, buildings and shops.

WHAT IS THE MONOLITH CYCLE MADE UP OF?

The MONOLITH cycle involves the application of different grain sizes depending on the surface and environment in which it is to be laid. The products of the cycle are:

Monolith Extra Large Grain

Monolith Large Grain

Monolith Medium Grain

Monolith Fine Grain (optional)

### **Preparation of the surface**



**Before starting works, measure the humidity of the floor which must not exceed 3%. If it is higher than 3%, it is mandatory to use a vapour barrier, such as MICROGROUND Fondo Cementizio (see the technical data sheet for application information). Before preparing the substrate, check for the presence of dirt stains, oil or non-stick products and act mechanically or with specific detergents to ensure that they are perfectly neutralised before proceeding to the subsequent phases.**

#### **For internal/external concrete floors:**

For concrete floors in good condition apply a coat of Microuniform, however, for particularly crumbling surfaces we recommend using MICROPRIMER TECNICO SOLVENTE instead of Microuniform; then, apply a coat of PRIMER MONOLITH ATTAK and, after approximately 4-6 hours apply two coats of MONOLITH GRANA GRANDE at a distance of 4-6 hours from each other by placing a 75 g/m<sup>2</sup> reinforcing fibre mesh between them. This operation must be carried out as follows: apply the first coat of product and drown the mesh in it. Once dry, proceed with the application of the second coat of MONOLITH GRANA GRANDE. The coats of MONOLITH GRANA GRANDE must necessarily be applied in the same colour as the finish.

Sand the MONOLITH GRANA GRANDE with 80 - 100 sandpaper and then, after cleaning and vacuuming apply a coat of colored MONOLITH GRANA MEDIA over the entire surface by spreading it with a stainless steel spatula. We recommend sanding the MONOLITH GRANA GRANDE between 8 and 12 hours after laying the latter. Once the coat of MONOLITH GRANA MEDIA has been applied, proceed to sand it with 80-100 sandpaper. We recommend this operation between 8 and 12 hours after laying the MONOLITH GRANA MEDIA.

If you want a very fine appearance of the surface, it can be applied a coat of MONOLITH GRAIN FINE in the same color chosen, but after having sanded the MONOLITH GRAIN MEDIA with 80-100 sandpaper. We recommend carrying out this operation between 8 and 12 hours after laying it. Apply the final coat of MONOLITH GRAN FINE and sand with 100-120 sandpaper. We recommend carrying out this operation between 8 and 12 hours after laying the latter.

#### **For tiled floors with joints:**

If present dirt, oil or non-stick product stains, clean the surface mechanically or with specific detergents and finally make sure they are perfectly neutralized before proceeding to the subsequent phases.

Then apply a coat of PRIMER MONOLITH ATTAK to facilitate the application of the subsequent phases.

If the joints are 2 mm and have a depth greater than 1.5 mm (or from 2 to 3 mm) apply two coats of MONOLITH GRANA EXTRA GRANDE so as to facilitate the coverage of the joints, interposing a 75 g/m<sup>2</sup> mesh. In this case, it will be necessary to wait 4-6 hours before applying MONOLITH GRANA GRANDE. Then apply a coat of MONOLITH GRANA GRANDE and proceed with the application of the subsequent coats of the Monolith cycle.

If the joints are up to 2 mm deep/wide: apply a coat of PRIMER MONOLITH ATTAK to facilitate the application of MONOLITH GRANA GRANDE. In this case, wait 4-6 hours before applying MONOLITH GRANA GRANDE. Then apply two coats of MONOLITH GRANA GRANDE 4-6 hours apart, placing a 75 g/m<sup>2</sup> reinforcing fibre mesh between them. This operation must be carried out as follows: spread the first coat of product and embed the mesh in it. Once dry, apply the second coat of MONOLITH GRANA GRANDE. The coats of MONOLITH GRANA GRANDE must necessarily be applied in the same colour as the finish. Sand the MONOLITH GRANA GRANDE with 80 - 100 sandpaper first and then apply the subsequent coats of the Monolith cycle.

If the joints are larger than 3 mm, the floor must be filled with STUCCO P3D FLOOR. 2 coats of product will be necessary and the 75 g/m<sup>2</sup> fibre mesh must be inserted between them. Sand with 100 grit and apply a coat of MICROUNIFORM. After 2-4 hours, apply a coat of PRIMER MONOLITH ATTAK. Once dry, apply two coats of MONOLITH GRANA GRANDE 4-6 hours apart. The coats of MONOLITH GRANA GRANDE must necessarily be applied in the same colour as the finish. Sand the MONOLITH LARGE GRAIN with 80 - 100 grit sandpaper first and then proceed with the application of the subsequent coats of



the Monolith cycle.

#### For walls:



Clean the surfaces (walls and plasterboard) thoroughly removing all impurities with sandpaper. Remove flaking residues of old paint and, if necessary, fill and smooth imperfections with an appropriate mortar; sand and clean the surfaces. Once sanding is complete, remove any traces of mold by brushing away the efflorescence after treating them with Risanare Cid and Risanare Stop. After 8 hours apply a coat of MICROUNIFORM before applying PRIMER MONOLITH ATTAK. For particularly chalky surfaces or plasters we recommend using MICROPRIMER TECNICO SOLVENTE instead of Microuniform. Wait 2-4 hours and apply a coat of PRIMER MONOLITH ATTAK, after 4-6 hours, apply two coats of MONOLITH GRANA GRANDE at a distance of 4-6 hours from each other and interposing a 75 g/m<sup>2</sup> reinforcing fibre mesh between them. This operation must be carried out in the following way: apply the first coat of product and drown the mesh in it, once dry proceed with the application of the second coat of MONOLITH GRANA GRANDE. The coats of MONOLITH GRANA GRANDE must necessarily be applied in the same colour as the finish.

NB: if a fibre mesh thicker than 75 g/m<sup>2</sup> is used, we recommend applying two coats of MONOLITH GRANA EXTRA GRANDE to give greater coverage.

## Application Methods



Dilution: ready to use.

Tools: stainless steel trowel, 3mm trowel.

## Painting:



The product can be colored with the MAXXI line color systems. The reference folder is the Flooring Line or Flooring Line swatch.

It is advisable to mix different production batches of the same color together to avoid possible differences in shade during application.

## Technical Characteristics

Temperature of application:	+10 ÷ +35	°C
Relative humidity of applicat:	< 85%	
Minimum thickness:	0,6	mm
Waiting time between successive coats at 20 ± 2 °C :	4-6	h
Repaintable after:	24	h
Deep dry:	48	h
Tools cleaning:	water	
Walkability time:	72	h

Specific weight:	1,7÷ 2,0	Kg/l
Viscosity:	30.000 ÷ 40.000	cPs
pH:	8-9	
Solid in weight:	81%	
Theoretical yield:	0.700 Kg/m2 per coat/floor with joints and mesh  0.500 Kg/m2 per coat on floor without mesh and without joints	
Aspect	matt	
Packs:	5 - 20	Kg
Granulometry:	0,6	mm
<b>Properties</b>		
Determination	Classification	Regulations
Determination of surface hardness	65 N/mm <sup>2</sup>	UNI EN 13892-6:2004
Determination of adhesion strength	2,7 N/mm <sup>2</sup>	UNI EN 13892-8:2004
Determination of wear resistance-BCA	Max 50? Class AR 0,5	UNI EN 13892-4:2005
Impact resistance	12,5 N/m Class II	UNI EN ISO 6272-1:2013
Slip resistance	(19° < ?TOT <= 27°) Class R11	DIN 51130:2014

## Storage:



The unopened product, stored intact in a dry and cool place, has a storage life of not less than 24 months.



After use carefully close the package and store it upside down.

Minimum storage temperature: + 5 ° C

Maximum storage temperature: + 30 ° C

## IMPORTANT INFORMATION

- Do not apply MONOLITH GRANA GRANDE at temperatures above 35°C and below 10°C.
- During the drying phases, never subject MONOLITH GRANA GRANDE to direct or excessive artificial ventilation.
- Do not apply MONOLITH GRANA GRANDE on surfaces that are not perfectly clean or vacuumed.
- Never insert any product unrelated to it into the product and cycle.
- After each application of MONOLITH GRANA GRANDE the subsequent treatments can be carried out only after having ascertained that the previous layer is perfectly dry.
- Apply MONOLITH GRANA GRANDE respecting the thicknesses indicated, which must never be greater than the thickness given by the granulometry of the product. Greater thicknesses could lengthen the drying times and/or reduce the mechanical resistance characteristics and in some cases give rise to superficial cracks.

## Safety Precautions:

For all information relating to the handling of the product as well as its correct disposal, please refer to the Safety Data Sheet.

## **Warnings**

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The information contained in this sheet is provided to the best of our technical knowledge. However, these indications and suggestions cannot have the value of a guarantee for the applicator, since the conditions of use of the product are beyond our direct control. It is therefore advisable to ascertain the suitability of the product for the specific case with preliminary tests.

**Loggia Industria Vernici S.r.l.** Via Colle d'Alba di Levante – 04016 B.go S. Donato - Sabaudia (LT) –  
ITALY

Tel. (+39) 0773 562212, Fax (+39) 0773 562034. [www.loggia.it](http://www.loggia.it), E-mail [commerciale@loggia.it](mailto:commerciale@loggia.it).

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