

POLIEPO GC 503 LUX

Resin for transparent varnishing

DESCRIPTION: an epoxy component without solvents and non-toxic. Suitable for a “varnishing” finish on both civil and residential resin floors.

FEATURES: the resins constituting Poliepo 503 LUX have been purposefully selected in our laboratories to avoid showing even the slightest signs of carbonation at temperatures ranging from 12° to 24°C, while maintaining shininess and transparency levels never achieved before with epoxy resins. Poliepo GC 503 LUX does not contain reactive diluents with a cresilglidileter base; therefore any eventual dangers related to contact during the application are reduced to the lowest possible.

The catalyst, which has an ammine cicloalifatic base, ensures mechanical and chemical resistance as well as being resistant to UV rays, always maintaining transparency.

USE: self-levelling varnishing with a glaze effect on resin floors; protecting and giving prominence to logos, drawings and images, suitable also for varnishing brightly coloured surfaces; (the yellowness is very reduced with respect to other epoxy products).

WAY OF USE: mix carefully component A with component B in proportion 100:60 in weight (ex: A=1.0kg + B=0.6kg); mix with a drill at medium speed, or alternatively a rectangular stick to stir and to properly go over the sides and bottom of the container (in order to homogenize perfectly the two components finish by pouring the mixture into another container):

Slowly pour the resin onto the desired surface and help the levelling with a smooth or toothed spatula in order to smooth the resin: The toothed spatula can be useful to determine the thickness, for example, to obtain an average thickness of 1.5 mm it is advised to use teeth with length 5-7 mm, holding the spatula inclined by 30-40° (once applied the resin with the toothed side of the spatula, go over the resin with the smooth side in order to ensure a perfect levelling). Note that some skilled workers prefer the smooth spatula.

N.B.: use the resin within 15-20 minutes after mixing the 2 components.

N.B.: DO NOT use in case of dampness; apply on dry surfaces and in a room with a temperature over 12°C. If possible, avoid applying the resin during damp days and keep in mind that in the evening humidity tends to be higher; prefer morning and afternoon hours. (If applied near an opening to direct sunlight cover the glass doors/windows during the drawing up for a minimum of 2-3 days).

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STEP BY STEP METHOD FOR VARNISHING:

For the varnishing of Dega Art floors it is advisable to work in two sittings, doing a very thin first casting and a thicker second one to have a total consumption of 1.8 - 2.0 kg/sqm.

- 1) Cleaning of the surface
- 2) Smoothing of Poliepo GC 503 LUX with smooth spatula. Make sure the resin is carefully mixed with a consumption of about 300 - 400 g/sqm. This casting does not necessarily have to be aesthetic and homogeneous when it comes to levelling, rather it is useful to eliminate the absorbencies and to fix the colours and the decorum. This is to ensure that the second casting, aimed towards aesthetics, will have the best possible results.
- 3) Varnishing with Poliepo GC 503 LUX using smooth or toothed spatula, with a consumption of about 1.5 kg/sqm. Always apply resin against the light source (for example a window or a lamp) to verify the homogeneity of the levelling. If necessary, it is possible to nebulize the surface with a diluent using a sprinkler in the areas with micro-bubbles.

TECHNICAL DATA:

Binding Total	100%
Consumption per sqm/mm	About 1.2 kg
Density (g/lt)	About 1100
Pot-life a 20° C	About 25/30 min.
Pedonability 20° C	About 32 hours
Dry to the touch 20° C	About 16 hours
Total hardening	About 7 days
Extension breakup, %	8
Compression resistance N/mm ²	90
Resistance to the bending N/mm ²	58
Elastic module mPa	1850
Stocking at 20-25° C	About 12 month
Surrender for Dega Art	About 1,8 kg/sqm

N.B.: despite the instructions described above being based entirely on our research and knowledge, and can therefore be considered as reliable, we cannot take on the responsibility of the achieved results.

Contact our technical office for particular cases.

N.B.: follow closely our instructions for ordinary and extraordinary maintenance.

The values indicated mean tests averages. What indicated about the method of use and the results obtainable with our product correspond to our experiences, without however constituting our use and responsibility. Therefore, the sale of our product is not covered by guarantee with regard of application and is carried out with the understanding that the user will determine the suitability.