



**Technical Data Sheet**

## Borma Glass 2K

Transparent resin for structural use



### DESCRIPTION

Special epoxy formulation, two-components, characterized by high transparency, suitable for filling cavities and imperfections in various materials and for embedding for decorative purposes.

BORMA GLASS 2K can be colored and used as a filler, as well as a binder, as an adhesive or as a protective coating for various materials (e.g. wood, cement, metal).

Very high resistance to abrasion and chemical abrasion.

### FIELDS OF APPLICATION

Tables and furniture for interiors, artefacts in composite material, objects, ornaments, tiles, artistic works...

### CATALYSIS RATIO

Part A resin : Part B hardener = 100 : 40

Characteristics COMPONENTE A Resin	U.M.	Value
Specific weight	g/cm <sup>3</sup>	1,10 ± 0,10
Viscosity Brookfield a 20°C	mPa s	800 ± 200
Viscosity #4 FORD	min	4,5 ± 1
Colour	Gardner	< 1

Characteristics COMPONENT B Hardener	U.M.	Value
Specific weight	g/cm <sup>3</sup>	0,95 ± 0,10
Viscosity Brookfield a 20°C	mPa s	50 ± 10
Viscosity #4 FORD	sec	16 ± 4
Colour	Gardner	< 1

Characteristics Catalyzed resin	U.M.	Value
Taber test (1kg, 1000 giri, mole CS10)	mg	40
Pot-Life, test with 150 g a 25 °C	hours	12



## METHOD OF USAGE



Clean the surface to be treated by grease, silicones, old varnishes or traces of dirt; if possible, lightly sand.



Mix well the two components, avoiding the creation of air bubbles.



Apply in the most suitable way, depending on the desired effect: by brush, by roller or casting the product in a previously prepared mould.



Leave hardening for 24-48 hours. Protect from dust and insects.



It can be sanded with abrasive paper grit 150-180 after 3-4 days from application depending on climate conditions.



In case, apply a second coat. The product has a glossy effect (> 95 gloss).



To have a matt effect, sand the surface with increasing grit, up to P240/320:



Overpaintable with a glossy or matt transparent finish.

## TECHNICAL RECOMMENDATIONS

Always carry out a preliminary test to check the compatibility with the materials chosen for processing. If used on wood or other porous materials (eg bricks), it is advisable to treat the surface that will be coated with Borma Glass first with an insulating base or to prime it with Borma Glass.

Climate conditions during application can strongly influence the final result: environmental temperatures over 35°C and below 15°C and high humidity can spoil the final look and influence the hardening time of the product. Ideal

application conditions are therefore low humidity and temperature around 20°C.

In case of several successive casting, wait for the complete hardening of the material applied in the previous phase before proceeding to the next one.

Attention: if you want to make an accurate filling on a table, it is recommended to check it's perfectly horizontal by means of a level, to prevent the self-leveling mixture from being incorrectly positioned and creating excesses and shortcomings side.

The mixture does not adhere to PP, PE and Teflon: as a release surface, use these materials (if they are of another nature, they must be tested beforehand).

## CLEANING

Clean with thinner (acetone, acetate) the fresh product. After hardening only a mechanical cleaning is possible.

## PACKAGE

Borma Glass – Resin

Cod. 1930	6 x 1 Kg
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Cod. 1931	2 x 5 Kg
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Cod. 1932	1 x 10 Kg
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Borma Glass - Hardener

Cod 1937.400K	6 x 0,4 Kg
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Cod. 1937.2K	2 x 2 Kg
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Cod. 1937.4K	1 x 4 Kg
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The product is also available in kit-packaging.

## BORMA COLOR SYSTEM



Compatible pastes:

Concentrated pigments of COPU range up to 1% by weight.

## STORAGE

The container must be tightly closed and stored in a ventilated place. Take precautionary measures against atmospheric and electrostatic charges.



Store in a dry place at temperatures between +10 ° C and +35 ° C.

If stored at temperatures below +10 ° C, the resin tends to crystallize and lose its fluidity; it is necessary in this case, before use, proceed to heat the material at 40-50 ° C until the phenomenon is completely reversed. The product has a storage time of 12months from the production date.

### **WARNING**

Read the SDS before use.

Observe the safety regulations in force.

Product for professional use.

Our data sheets are drawn up based on average results of our tests. However, our technical advice is given in good faith but without warranty. In fact, different supports, application conditions, systems, dilutions are an integral part of the final result and often beyond control. The user must try the products supplied to check if they are suitable for his needs. For our part we guarantee the continuity of the chemical and physical characteristics.

Product code: **1930**

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