



**VURA**<sup>®</sup>  
Time To Build Better

# VURA **PolifillG**<sup>™</sup>

**VURA Polifill-G** is a gel-like semi solid 2 component product based on unsaturated premium polyester resins. It is thixotropic transparent gel with high viscosity for glueing and fixing marbles, stones, tiles and to fill cracks.

## CHARACTERISTICS

- Premium polyester base thixotropic transparent gel
- Fast setting and curing time
- Easily to apply and polish
- Good UV Stability
- Very good adhesion on natural stone
- Bigger defects, corners and edges can be filled due to slow hardening and low tensions
- Resistant to water, petrol and mineral oils
- Grindable after hardening
- Colors can be mixed as per desired

## APPLICATION AREAS

Granite, Marbles, Tiles, Sandstones, Cementitious tiles. Mainly used in the stone processing industry for filling and bonding light or white, transparent- crystalline natural stone such as Thassos, Carrara, Onyx etc. By adding little quantities of polyester coloring pastes to **VURA Polifill-G** required color can be made. Thus, an appearance very similar to the stone or bonding joints which are almost invisible can be achieved. When working with crystalline natural stone we recommend mixing some crushed granular material in the filler to imitate the crystal structure of the stone. Walls, floors, tile on tile applications, dry areas, and worktops.

## INSTRUCTIONS TO USE

### **SURFACE PREPARATION:**

- The surface to be treated must be clean, completely dry and roughened. It should be free of moisture, dirt, oil and grease etc.
- Coloring is possible by adding Polyester pigment concentrates liquid upto 5% max
- Dilution is not possible

### **APPLICATION METHOD:**

Use gloves during application. Ensure proper and thorough mixing of resin (Part A) and hardener (Part B) before applying. Stir them energetically and use the product thus obtained. The mixture can be worked for approx. 15-20 minutes (23° C). Do not allow excess material to dry on surface. After approx. 6-8 hours the treated parts can be exposed to strain, after 12 hours approx. they can be further processed (grinding, milling, drilling).

Do not mix any solvents. Add 1 to 2g of Hardener B (liquid) in 100g of **Polifill-G**.

The hardening process is accelerated by heat and delayed by cold. Tools can be cleaned with thinner or mineral spirit.

Keep the tins closed after usage. Keep the gel and hardener away from the sunlight.

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### SPECIAL NOTE

- Professional use only
- Use gloves to protect your hands
- The products only harden with Hardener B liquid
- Hardener portions higher than 2% cause intensive discoloring
- Hardener portions less than 1% and low temperatures considerably delay hardening
- Permanent influence of heat (> 50° C) causes discoloring and reduces the bonding properties
- The hardened **VURA PoliFill-G** has a slight tendency to yellowing in outdoor application
- Only moderate adhesion on fresh, alkaline building materials (e.g. concrete, concrete bricks)
- Once hardened, the product can no longer be removed by solvents. Removal is only possible mechanically or by higher temperatures (> 200° C)
- For proper waste disposal the container must be completely empty
- Being worked properly, the hardened **VURA PoliFill-G** is generally not injurious to health

### TECHNICAL DATA

Color	:	Clear Transparent Gel
Density	:	1.14-1.17 g/cm <sup>3</sup>
Mix Ratio	:	1 to 2g of Hardener B (liquid) in 100g of <b>PoliFill-G</b>
Gel Time	:	20-25 minutes
Working Time		
a) at 20° C	1 % of hardener B	: 25-30 minutes
	1.5 % of hardener B	: 20-25 minutes
	2 % of hardener B	: 12-15 minutes
b) with	1.5 % of hardener	
	at 10° C	: 35-40 minutes
	at 20° C	: 20-25 minutes
	at 30° C	: 10-15 minutes
Tensile Strength	:	40-45 N/mm <sup>2</sup>
Bending Strength	:	60-70 N/mm <sup>2</sup>

### **PACK SIZE**

1 kg with 20 ml hardener dropper bottle.

### **SHELF LIFE**

If stored in dry and cool condition in its closed original container least 9 months from production. kept away from source of heat, humidity and sun light.

### HEALTH & SAFETY:

Please read Material Safety Data Sheet before handling or using this product.

#### **IMPORTANT NOTICE:**

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.

This Datasheet is an information document drawn up in good faith. The information herein is based on tests carried out in our labs and is correct on the basis of our experience, but must be considered only as indicative because of the nature of the product whose behaviour varies with the minimal change in the surrounding conditions (environmental parameters, materials it comes into contact with, storage and ageing methods, etc.) For this reason, the information herein, even if based on our best knowledge, is no guarantee for the user since the customer's application, use and processing of our products and of the final product are beyond our control and are therefore wholly the customer's responsibility. We trust the tests we carried out can be a useful indication, even if we cannot accept any responsibility with regard to the result of your processing. It is the user's responsibility and duty to perform preliminary tests on the specific application, to assess suitability to the required use as it is his/her duty to check that the use of our products complies with the current laws, regulations, provisions and patents. This information must not be considered as an authorization and is no encouragement to infringe any patent. The data can be changed without notice and must not be considered as legally meaningful.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

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