



# KS55 TRANSPRAENT ADHESIVE

**TRANSPARENT ADHESIVE/GLUE  
"WATER EFFECT" transparency**

## **SPECIAL DUAL-COMPONENT HIGHLY TRANSPARENT ADHESIVE FOR AFFIXING MARBLE, STONE,GRANITE**

Polyester resin adhesives are characterized by high-reactivity rapid hardening, no withdrawal from substrate materials during reticulation, modest drawing upon hardening (1-6%).

KS 55 adhesive is the result of GENERAL® Chemical Engineering's continuous research in polyester resin adhesives and is the solution to problems in sealing resistance and the need for transparency that cannot be solved with common polyester resin adhesives.

Thanks to a balanced formula and to the superior-quality resins, KS 55 unites the ease of use and fast application of the common polyester adhesives with a greater transparency than traditional adhesives can deliver. That's why KS 55 is the adhesive of choice for applications where transparency is critical.

However, the "Vertical" version may develop some opacity while curing, due to thixotropic content.

AVAILABLE IN:

- KS 55 FLUID** (F) (mixture of pure resins and reticulating agents)
- KS 55 VERTICAL** (V) (mixture of pure resins, reticulating agents, and thixotropics)

### **TECHNICAL DATA**

|                        |   |                        |
|------------------------|---|------------------------|
| PHYSICAL STATE         | <b>Fluid (F)</b>  | <b>Paste (V)</b>       |
| COLOUR                 | <b>Transparent</b>  | <b>Transparent</b>     |
| DENSITY at 25°C (77°F) | <b>1.14 gr/cm³ (F)</b>  | <b>1.22 gr/cm³ (V)</b> |
| ACTIVE INGREDIENTS     | <b>100%</b>   |                        |
| CHEMICAL STABILITY     | <b>&gt;12 months</b> in dry place, in tightly closed original containers, at temperature of 15-25°C (59-77°F) |                        |

### **PREPARATION**

For best results, mix 2% to 3% of the catalyst 1 (MEK peroxide) with the adhesive concentrate. The speed of catalysis is affected by temperature and by the quantity of catalyst. Surfaces to be treated must be clean and dry; porosity and unevenness of the surface favour the best adhesion. It is suggested the honing, polishing, sandpapering etc. of the hardened adhesive the day after the application.

### **SPECIFICATIONS FOR MIXING AND HARDENED PASTE**

|                             |             |         |            |
|-----------------------------|-------------|---------|------------|
| MIXING TIME                 |             | minutes | 1          |
| APPLICATION TIME (pot life) |             | minutes | 5 - 10     |
| GEL TIME                    |             | minutes | 30 - 50    |
| SHRINKAGE                   |             | %       | 2.3        |
| DISTORTION TEMPERATURE      |             | °C (°F) | >80 (>176) |
| TENSILE STRENGTH            | (ASTM D638) | mPas    | 50         |
| TENSILE ELASTICITY MODULUS  |             | mPas    | 3200       |
| BREAKING ELONGATION         |             | %       | 2.1        |
| BENDING STRENGTH            | (ASTM D790) | mPas    | 90         |
| BENDING ELASTICITY MODULUS  |             | mPas    | 3400       |
| WATER ABSORPTION            |             | gr/kg   | >0.5       |

### **LIMITATION OF LIABILITY**

The data provided derive from published information or from our own laboratory tests. The information provided here should be considered as a guideline and not as any form of performance guarantee.

Since the application of the product is beyond the control of the manufacturer or supplier, our liability for defective products, when verified, is limited to refund of the purchase price.

**A PRELIMINARY TEST IN A SMALL, HIDDEN, AREA IS RECOMMENDED BEFORE THE APPLICATION**