



UNI EN ISO 9001:2008  
Quality System Certified Company



## TECHNICAL DATA SHEET PRODUCT

# KS 55

**SPECIAL TRANSPARENT ADHESIVE/GLUE  
"GLASS EFFECT" transparency**

### SPECIAL DUAL-COMPONENT HIGHLY TRANSPARENT ADHESIVE FOR GLUING 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® continuous research in polyester resin adhesives and is the solution to the 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 combines the ease of use and fast application of the common polyester adhesives with a greater transparency that traditional polyester adhesives cannot perform. 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.

The "glass effect" transparency is obtained by using **KS 55 fluid** only, while the **KS 55 vertical** performs an opacified transparency

AVAILABLE IN:

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

### TECHNICAL DATA

PHYSICAL STATE	Fluid (F)	Paste (V)
COLOUR	Transparent clear	Transparent mat
DENSITY at 25°C (77°F)	1.14 gr/cm <sup>3</sup> (F)	1.22 gr/cm <sup>3</sup> (V)
ACTIVE INGREDIENTS	100%	
CHEMICAL STABILITY	3 (three) months	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 - 7
GEL TIME	minutes	15 - 20
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 must 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**

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