



UNI EN ISO 9001:2008
Quality System Certified Company



TECHNICAL DATA SHEET
PRODUCT

POLYESTERE

**POLYESTER ADHESIVE
FLUID or/and VERTICALSOLID**

DUAL-COMPONENT ADHESIVE FOR GLUING MARBLE, NATURAL AND ARTIFICIAL STONE

Polyester resin adhesives feature high-reactivity rapid hardening, no shrinkage from substrate materials during reticulation and low shrinkage upon hardening (1 to 6%).

This adhesive product is the culmination of GENERAL[®] Chemical Engineering's extensive knowledge and experience in the use of polyester resins on marble and natural stone.

POLYESTERE is one of the highest quality products available on the market today because we choose only very high quality primary materials and select only suppliers who conform to strict criteria. This quality control process assures consistency in the product's physical and mechanical properties. The mineral fillers used in POLYESTERE adhesives are carefully monitored to ensure purity, inertia and proper granular dimensions which together form a durable and consistent product. Continuous research and innovation enable GENERAL[®] Chemical Engineering to respond to the needs of the market with a wide range of products.

POLYESTERE is available in:

POLYESTERE FLUID (PF)

POLYESTERE VERTICAL/SOLID (PV)

TECHNICAL DATA

PHYSICAL STATE	paste (PV)	fluid (PF)
COLOUR	straw, white, black, grey, red	
DENSITY at 25°C (77°F)	1,65 g/cm³ (PV)	1,4 g/cm³ (PF)
CHEMICAL STABILITY	6 months stored in dry place, at room temperature of 15-25°C (59-77°F) in tightly closed original containers.	

PREPARATION

For best results, mix 2 to 3% of the catalyst (dibenzoyl peroxide) with the adhesive concentrate. This paste formula is easier to measure accurately. A consistent mixture will facilitate uniform catalysis. The catalysis rate is affected by temperature and by the proportion of catalyst. An excess of hardener will increase the catalysis rate, but weakens the adhesive's seal. Surfaces to be treated must be clean and dry; porosity and unevenness of the surface favour the best adhesion.

NOTE: Straw coloured adhesive can be used with BASE COLORE (special colouring pastes) for colour variation. Never colour white adhesive. Colouring weakens adhesive performance. Hardened adhesive is completely workable (sanding, buffing, etc.) after 2 to 5 hours.

SPECIFICATIONS FOR MIXING AND HARDENED PASTE

		POLYESTERE FLUID	POLYESTERE VERTICAL/SOLID
MIXING TIME	minutes	1	1
APPLICATION TIME (pot life)	minutes	1 - 4	1 - 4
GEL TIME	minutes	5 - 7	5 - 7
SHRINKAGE COEFFICIENT	%	1.6	1.4
DISTORTION TEMPERATURE	°C (°F)	>80 (>176)	>80 (>176)
TENSILE STRENGTH (ASTM D638)	mPas	62	50
TENSILE ELASTICITY MODULUS	mPas	3350	3200
BREAKING ELONGATION	%	2.4	2.1
BENDING STRENGTH (ASTM D790)	mPas	96	90
BENDING ELASTICITY MODULUS	mPas	3400	3400
WATER ABSORPTION	gr/kg.	< 0.5	< 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