UNI EN ISO 9001:2008
Quality System Certified Company

TECHNICAL DATA SHEET
PRODUCT

UVS SYSTEM

TRANSPARENT, U.V. HARDENING, TIXOTROPIC ADHESIVE

SPECIAL TRANSPARENT SINGLE-COMPONENT ADHESIVE, ULTRAVIOLET CATALYSIS, FOR QUICK AND AUTOMATIC STUCCOING OF MARBLE, STONE AND GRANITE

The SYSTEM UVS adhesive is the result of GENERAL® Chemical Engineering great experience and ongoing research in the field of polyester adhesives. This adhesive solves all problems involving stuccoing with automatic machinery that cannot be solved using normal two-component polyester adhesives.
Laboratory tests confirm the good transparency and stability of the set product.
Thanks to the use of particular resins and a well-balanced formulation of photo-initiators, SYSTEM UVS takes the normal features of traditional two-component polyester adhesives and adds unprecedented practicality and rapid application.
UV lamp radiation being equal, the catalysis proves particularly constant, homogeneous and uniform with a low shrinkage coefficient and optimal levelling effect.
UV penetration depends on the power employed. It is advisable to apply in thin layers.

ALWAYS KEEP THE CONTAINER CLOSED AND SHELTERED FROM SOURCES OF NATURAL OR ARTIFICIAL LIGHT

TECHNICAL DATA

PHYSICAL STATUS	**viscous liquid**
COLOR	**Transparent**
DENSITY at 25°C (77°F)	**1.15 g/cm^3**
STABILITY	**< 6 months** (in well sealed container kept away from all sources of natural and artificial light and in a dry place at a temperature ranging from 15 to 25°C [59-77°F])

PREPARATION

The adhesive is supplied ready to for use. The surface to be stuccoed must be clean, dry and free of dust. Take the quantity needed and close the can to prevent it from coming into contact with light rays. Apply the adhesive on the part of the slab to be stuccoed. Pass the piece under a series of UV lamps and maintain irradiation for 50 to 100 seconds. The best results are achieved with a layers 2 to 3 mm thick.

MIXING AND CHARACTERISTICS OF THE SET MASS

Mixing time		**Not required: photopolymerized**
Application time		**>10 minutes**
Gel time	With UV light	**1-2 minutes**
Shrinkage coefficient		**0.60%**
Distortion temperature		**> 80°C (176°F)**
Tensile strength	ASTM D 638	**45 mPas**
Elastic tensile modulus		**3000 mPas**
Breaking elongation		**2.1%**
Bending strength	ASTM D 790	**80 mPas**
Bending elastic modulus		**3300 mPas**
Water absorption		**< 0.5 gr/kg**

The tests performed are to be considered as indicative and do not as guarantee as the results can depend on many factors.

LIMITED LIABILITY The information supplied has been taken from the bibliography and from our laboratory experience and is to be understood as general indications and not a formal guarantee. In particular, responsibility for defective products, when ascertained, is limited to the product purchase price. The manufacturer cannot be held responsible for any implicit or explicit damages due to use of the product which remains beyond our direct control.

ALWAYS EFFECT A PRELIINARY TEST BEFORE APPLICATION

INDUSTRIA CHIMICA GENERAL S.r.l. - Via Repubblica S. Marino, 8 - 41122 MODENA, ITALY
tel. (+39) 059.450.991 / 059.450.978 fax (+39) 059.450.615 www.generalchemical.it e-mail: mail@generalchemical.it
Factory # 1: Via Repubblica S. Marino, 8 - 41122 Modena *Factory # 2: Via Uralita, 7 - Loc. Zerbinate - 44012 Bondeno (FE)*