



UNI EN ISO 9001:2008
Quality System Certified Company



TECHNICAL DATA SHEET PRODUCT

UNISEAL ACRYLIC

ACRYLIC FLEXIBLE SEALANT in cartridge

Flexible sealant, single-component acrylic resin in aqueous dispersion. This product is highly elastic and resistant. Solvent-free sealant that hardens with water evaporation and turns it into a plasto-elastic mass.

It is highly resistant to ageing and, once hardened, is stable vs. atmospheric agents such as rain and sunlight. Its optimal adhesion capacity make it possible to seal and glue together different materials: **marble, granite, natural stone, ceramics, bathroom accessories, wood, masonry, concrete, metal**, as well as a wide range of **plastics**. Moreover it is adequately adhesive on **glass**.

UNISEAL differs from the traditional sealant s in that it does not stain. Another advantage is that it prevents imperfections at the edge of the materials it comes into contact with and, therefore, does not leave any sort of marks. It remains elastic, even when subject to extreme temperatures. Easy to extrude, the paste has just the right consistency and it is easy to work and suitable for both indoor and outdoor applications.

It can be painted with most paints available on the market (always make, anyway, a preliminary test).

FUNCTION

Permanently elastic acrylic sealant for indoor and outdoor applications

INDICATION

Atoxic, permanent sealant for the materials commonly used in building and interior finishing.

MATERIALS

Marble, granite, ceramics, bathroom accessories, natural stone, wood, masonry, concrete, metal, most **plastics** and it is enough adhesive on **glass**.

CONTRAINDICATIONS

Not suitable for gluing joints which are constantly in contact with water (submerged joints).

HOW TO USE

PREPARATION OF THE SURFACE: the surfaces to be glued must be dry, clean and free of dirt, dust and oils (they can be slightly damp). Porous substrata must be brushed well and cleaned with a lint-free cloth. In the summer it is best to dampen the substrata.

The maximum gap for the joint to be sealed must not exceed the measurements of 25 mm. in width and 20 mm. in depth. Protect the edges with masking tape.

APPLICATION: using the proper caulking gun, apply the sealant only at temperatures ranging from +5°C to +45°C (41-113°F) Inject the sealant into the cavity pressing it against the walls of the joint/cavity. To level the joint, smooth down the sealant with a damp sponge or tool. If applied outdoors, protect the seal against rain for at least 6-12 hours.

TECHNICAL DATA

See page 2

STABILITY

Up to six months if kept in a dry place protected against heat and frost. The product does not resist freezing. If correctly preserved in a dry place and at room temperature of 15-25°C (59-77°F) the product is stable.

SAFETY

The laws in force do not classify this acrylic sealant as a hazardous product. Anyway, keep out from the reach of children. For more information about safety see the product label and the Material Safety Data Sheet.



IMPORTANT

Never apply UNISEAL ACRYLIC in case of forthcoming rain or at temperatures lower than 5°C (41°F). After application, avoid the exposition to the rain before a superficial film has set; moreover, if exposed to freezing temperatures before the complete drying and set, the sealing capacity of the product can be irreparably compromised.

TECHNICAL CHARACTERISTICS

MASS BEFORE SETTING

Characteristics			Unit	Average value
DENSITY AT 25°C (77°F)	DIN 53479-B	Transparent	g/cm ³	1.07
	DIN 53479-B	Coloured	g/cm ³	1.12
CONSISTENCY	DIN EN 27390-A-B			Pasty
EXTRUSION RATE	at 23°C (73.4°F) (Ø 3 mm. nozzle; pressure = 0.21 N/mm)		ml/10s	8-13
SKIN FORMATION TIME AT 23°C (73.4°F)	[R.H. 50%]		minutes	30-40
POLYMERIZATION RATE			mm/24h	1-1.5
COMPLETE SETTING			Days	10-12

NOTE: the time required for setting depends on the temperature, humidity, porosity of the support and thickness of the layer applied.

MASS AFTER SETTING

Characteristics			Unit	Average value
ELONGATION AT BREAK				400%
MAXIMUM OPERATING ELONGATION				15%
VARIATION IN VOLUME				35%
ELASTIC RESILIENCE				excellent

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 refund the product purchase price. The manufacturer cannot be held responsible for any implicit or explicit damages due to the use of the product which remains beyond our direct control.

ALWAYS MAKE A PRELIMINARY TEST BEFORE APPLICATION