

# SOPRA ACRYGEM A1

## ONE-COMPONENT ELASTO-PLASTIC ACRYLIC SEALANT

### Physical And Mechanical Properties

Colours	White, grey,
Odour	typical, pleasant
Specific gravity at 20 Co	1,52
Shore "A" hardness	20 approx
Flow	Nil
Elongation (at break)	> 400%
Service temperature	-20 oC up To + 80 oC
Application temperature	+5 oC up to + 45 oC
Extrusion rate (through a 3 mm nozzle, pression 3 Bars)	500g/m approx
Tack free time	30 mn approx. (de- pendent on bead thick- ness ambient tem per- ature and relative humidity)
Full cure time	1 to 2 weeks

### Chemical Properties

**SOPRA ACRYGEM A 1** is a one component acrylic sealant. It is formulated using selected resins acrylic emulsions and cures on exposure to the atmosphere to form a tough flexible rubber compound Very easy to apply. Its adherence is remarkable on all common supports, even PVC, without primer

Good adhesion on wet substate.  
Can be painted after preliminary tests.  
Flexibility is excellent.  
Outstanding weatherability and not affected by Uv light.  
Non staining

### Application

**SOPRA ACRYGEM A 1** can be used for heavy precast, traditional masonry, panel jointing, concrete prefabricated elements, sealing of wood and metal joinery; filling cracks and joints before painting coating damaged surfaces, sealing under wood or metal sills, connecting window frame, caulking, etc.

### Instruction For Use

In all cases: surfaces should be clean and free from dust.

Lay a flexible closed cell type backer-rod to obtain the right dimensions.

Apply sealant into the joint using a suitable tool moistened with soapy water.

Slight dampness of porous surfaces will not adversely affect adhesion.

**SOPRA ACRYGEM A 1** cannot be used under-water nor to join floor surfaces which may be walked on and in areas of high abrasion.

Work of jointing outdoors should be carried out during dry weather to prevent rain falling on the sealant before surface skinning occurs.

### Specifications

ASTM C 834/76

### Precautions

A crylic sealant cures by evaporation of the water they contain, due essentially to conditions of temperature and relative humidity during pointing and time of polymerization.

As **SOPRA ACRYGEM A 1** is an aqueous dispersion formulation it is imperatively recommended to avoid the utilisation of this sealant

under rain or eventually in protecting sufficiently the surface during the carrying out of the protecting skin.

In view of the large number of materials and, particularly, of porous surfaces (such as Carrare marble), tests should be made before application and consideration be given to the use of a suitable primer to prevent migration.

**Health And Safety**

**SOPRA** ACRYGEM A 1 is a non-toxic material and there are no health hazards in normal use. To remove from the skin use warm soapy water. In cases of eye contact thoroughly flush the eyes with clean cold water. Do not ingest.

**Packaging**

Gun Grade: Plastic cartridges of 310 ml/400 ml  
cans of 4 Liters

**Storage - Shelf Life**

12 months from date of manufacture (printed on the cartridge) stored in a fresh and dry position in unopened original cartridges, sausages, pails or drums

**SOPRA** ACRYGEM A 1 must be sheltered from frost