



# SINGLE COMPONENT POLYURETHANE FOAM

## MONOMOUSS

**MONOMOUSS** is a single-component polyurethane foam with closed cells (about 80%). It is self-extinguishing and thixotropic, and cures in contact with the humidity of the air. It comes ready for use, and adheres to all surfaces except silicones, rubber, polyethylene, Teflon and polypropylene.

It is used for the filling of cavities, acoustic and thermal insulation, caulking, sealing, etc.

When dry, this foam is subject to no further shrinkage.

### PHYSICO-CHEMICAL CHARACTERISTICS

Base : .....	Polyurethane
Hardening system : .....	Cured by the humidity in the air
Colour : .....	Champagne
Character : .....	Thixotropic
Density : .....	21 - 25 kg/ m <sup>3</sup>
Working temperature : .....	-40°C to +100°C
Shrinkage : .....	None
Yield : .....	1 litre gives about 35-40 litres of foam
Drying time : .....	20 - 25 minutes (dust proof)
Curing speed : .....	3 hours for a 5 cm coat
Cleaning:	
Fresh product : .....	Acetone
Dry product : .....	Mechanical action
Fire resistance: .....	B3 - B2
Insulation factor (lambda) : .....	0.032 kcal/m.h.°C
Resistance to traction : .....	15 N/cm <sup>2</sup> approx.
Water absorption: .....	0.4 % vol (DIN 53423)
Permissibility to vapour : .....	70 g/m <sup>2</sup> / 24 h
Flash point : .....	Not applicable
Viscosity : .....	Not applicable
Vapour pressure : .....	5 bars at 20°C, 10.5 bars at 50°C
Solubility in water : .....	Non-soluble. Reaction by forming CO <sub>2</sub> .
Attestation pressure of container : .....	15 bars
Destruction pressure of container : .....	18 bars

### APPLICATION

Clean, dust and de-grease the surface. Adhesion, curing and the cellular structure of the foam are improved if the surface is dampened.

Shake the container vigorously before use (at least 20 times); Screw the push-applicator onto the spray.

Hold the can upside down when spraying the **MONOMOUSS**. Press the applicator gently in order to control its application and its spraying rate.

Fill no more than a third (half at the very most) of the cavity to be filled. When it expands, the foam will fill twice the original volume. The degree of this expansion depends on the humidity in the air.

You must always provide the means for the foam to escape if you have applied too much.

If you have not emptied the spray can in one go, clean the push-applicator carefully with ethyl acetate.

In the case of spills or overflows, clean at once with an acetone type solvent.

To clean off any cured foam, mechanical means should be employed. Never try to burn it off.

### PACKING AND STORAGE

Packaging : ..... Aerosol 500 ml

Storage: ..... 12 months on its original container, and stored in a cool dry place. Store in a well-ventilated area, away from heat and especially from humidity or dampness.

### PRECAUTIONS FOR USE

Container under pressure. Must be protected from direct sunlight. Do not expose to temperature over 50°C. Do not puncture the can, or burn it after use. Do not spray toward a flame or a incandescent body. Keep out of reach of children. Keep away from source of ignition. Do not smoke. Ventilate well after use.

### HEALTH AND SAFETY

See data sheet

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