



WESSBOND® GP-850 GENERAL PURPOSE ACETIC SILICONE SEALANT

TECHNICAL DATA SHEET

PRODUCT NAME

WESSBOND® GP-850 GENERAL PURPOSE ACETIC SILICONE SEALANT

PRODUCT DESCRIPTION

General Purpose Silicone Sealant is a cost-effective, acetic cure formulation offering long term durability in the applications of general sealing and glazing. It meets many requirements of commercial and industrial applications, especially where a consistent source of materials is preferred. It gives extraordinary adhesion to glass, aluminium, ceramics, fiberglass, non-oily wood as well as painted and many plastic surfaces. It is also usually applied in general sealing applications such as window sealing, glass construction and industrial sealing such as ship building, containers, caravans, car-body as well as in the cold room construction. The fully cured sealant is resistant to water and stands with high temperature.

GENERAL PROPERTIES

Curing System	:	Acetoxy
Physical appearance	:	Paste
Odour	:	Acetic Acid Odour
Colours available	:	Clear, White, Black, Grey
Specific gravity	:	0.95 ± 0.05
Tack free time	:	10 to 15 min
Curing rate (at 25°C, 50% RH)	:	1 - 2 mm/day
Extrusion rate	:	750 to 800 g/min
Tensile strength at break	:	1.4 MPa
Elongation at break	:	550%
Hardness, Shore A	:	17
Performance Temperature	:	-45°C to 150°C
Application Temperature	:	-20°C to 50°C
Movement Capacity	:	+25%
Shelf life	:	12 months

JOINT DESIGN

Recommended Joint Dimensions : 6mm x 6mm
8mm x 12mm
10mm x 20mm

Minimum Joint Dimensions : 3mm x 3mm
Maximum Joint Dimensions : 10mm x 30mm

DIRECTIONS FOR USE

- ✓ Be sure the surfaces to be sealed are clean, dry and free from dust and grease.
- ✓ Apply a bead of sealant with desired area of dimension onto the surfaces.
- ✓ Make sure that two parts of the surfaces are joined firmly with the bead of sealant applied.
- ✓ Tooling is only practical (within 5 minutes) before a film of outer skin is formed within 15 minutes.
- ✓ Allow to cure at room temperature for 1 - 2 days depending on the ambient environmental conditions. The full curing time increases with the thickness of the sealant applied and at less relative humidity.

HANDLING AND STORAGE

The uncured product may cause irritation to skin or eyes after direct contact. Provide adequate ventilation during use as it releases acetic acid gas into the atmosphere during curing progress.

Always keep the container closed tightly and store in a cool and dry place when not in use. Keep away from direct exposure to sunlight.

PRECAUTIONS

- ✓ Use in well-ventilated area.
- ✓ Avoid skin and eye contacts. Follow the procedures stated in MSDS if spillage or accidentally contact with skin or eyes occurs.
- ✓ KEEP OUT OF REACH OF CHILDREN.