
EVO-STIK LIQUID METAL ULTIMATE METAL ADHESIVE

A SINGLE-PART, MS POLYMER ADHESIVE

Evo-Stik Liquid Metal is a high performance, single component, moisture curing, Modified Silane (MS) Polymer based. It will bond most surfaces even if both are impervious, such as metal-to-metal bonds. The product will bond damp surfaces and may even be used underwater. It has very low odour, cures to form a hard elastic rubber, with almost no shrinkage and low hazard; it does not contain any water or solvent, making it ideal for bonding foam polystyrene sheets. When fully cured the product may be painted with most types of paints.

APPLICATIONS

- Bonds to most surfaces including **metals**, wood, concrete, brick, plaster, glass, grp, ceramics, rigid pvc, insulation boards and foam polystyrene.
- Bonds panels, signs, wallboards, skirtings etc. of the above surfaces.
- Evo-Stik Liquid Metal is particularly suitable for bonding metal panels to most substrates.

LIMITATIONS

- Will not bond Polythene, polypropylene, Teflon (PTFE) or silicones.
- It should not be used on bitumen contaminated surfaces.

METHOD OF USE

PREPARATION

- Any loose or weak layers on the surface must be removed.
- Surfaces must be clean and preferably dry.
- Surfaces that are damp **MUST** be checked for weak or loose matter on the surface that the damp might hide.

APPLICATION

- Apply parallel beads of sealant to one of the surfaces, Then bring the two surfaces together, within 10 minutes.
- 5mm diameter. Beads are generally sufficient. For close fitting surfaces these may be reduced to 3mm.

- The degree of separation of the beads of Evo-Stik Liquid Metal will depend upon the rigidity and weight of the panel, board or sign being bonded. If beads are separated by more than 200mm a perimeter bead should be applied.
- For rigid sheets 100 -150mm separation between beads is generally sufficient for high loading, but may be increased if the load is low (such a wallboards and foam polystyrene) where 200 - 500mm is acceptable.
- For less rigid boards the separation may need to be quite small and it is important to choose the correct bead size.

CLEANING

1. Uncured product may be removed using cloths lightly moistened with white spirit, after carefully scraping off the bulk.
2. Cured product requires mechanical removal.

COVERAGE

- 44 metres of 3mm diameter bead.
- 14 metres of 5mm diameter bead.

The coverage figures relate to a 290ml cartridge and do not include any wastage.

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- SHELF LIFE:** 18 months when stored in the original unopened containers.
- STORAGE:** Store, in dry conditions, between 5°C & 25°C.
- COLOUR:** Grey.
- PACKAGING:** Code:
663619 290ml cartridges x12

HEALTH & SAFETY

Available separately in file named as the packaging code to the left.

TYPICAL CHARACTERISTICS

- Constitution: Moisture curing MS Polymer system
Skin time: About 5-15 minutes at 25°C
Full cure: 17-24 hours
Colour: Grey
Density (SG): 1.5
Shore A hardness 50-55
Tensile strength 1.5-1.8 MPA
Elongation at break 200-300%
Movement Will accommodate up to ± 12% of the mean joint width
Shrinkage Less than 3%
Water: Excellent resistance.
Oil & Petrol: Good resistance.
Chemicals: Good resistance.
Abrasion: Good resistance.
Paint-ability Cured product may be overpainted with most types of paints. In some rare cases the surface may retain slight tack which, often, another coat of the paint will cure.
UN Class; # Not designated as hazardous

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