



## Adhesives & Sealants

# SUPER MIRROR

### Technical Data Sheet

Reviewed: 06.06.2015



#### DESCRIPTION

**SUPER MIRROR** is a high performance, one-component, high bonding strength, mirror adhesive based on M-S Polymer. It is specially formulated for fixing traditional silver backed mirrors directly onto building substrates. It is also suitable for sealing low movement joints in construction, automotive, marine, aerospace industries, where a tough flexible rubber sealant is required.

#### ADVANTAGES

- High bonding strength on nearly all surfaces
- Excellent adhesion on porous and non-porous substrates
- High performance mechanical properties
- Flexible elastic rubber – movement accommodation up to 20%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Good extrudability even at low temperatures
- UV resistance
- Free of isocyanates, solvents, halogens and acids
- No staining of porous materials such as natural stones, granite, marble, etc
- Very easy to tool and finish

#### APPLICATIONS

- Fixing mirrors on porous and non-porous building substrates such as ceramic tiles, wood, MDF, concrete, stone, glass, metal and formica. It has been successfully tested on metal surfaces such as steel, brass, galvanized steel and on plastic substrates such as PVC, polystyrene, polycarbonate, ABS, polyamide, polyester (GRP).
- All sealing and bonding applications in the building industry

**Structural bonding in vibrating constructions**

#### INSTRUCTIONS FOR USE

1. Surfaces must be clean, free of dust and grease.
2. No primer required prior to application. Apply primer PU 900 only for high humidity applications.
3. Using a caulking gun, apply vertical beads in 15cm intervals to the mirror backing
4. Heavy mirrors may require mechanical support until full cure is reached

**If you are unsure of the backing material's compatibility, perform a preliminary test on a sample.**

#### JOINT SIZE

**Minimum Width:** 2mm (bonding applications) and 5mm (joints)

**Maximum Width:** 10mm (bonding applications) and 30mm (joints)

**Minimum Depth:** 5mm (joints)

**Recommendation:** 2 X depth = width

#### REMARKS

- Not suitable for PE, PP and PTFE
- Cannot replace traditional glazing putty
- **SUPER MIRROR** can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- **SUPER MIRROR** may be overpainted with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.

#### CLEANING

Clean all equipment with white spirit immediately after use

#### CONSUMPTION

300-1000 gr/m<sup>2</sup> or 25-40 gr/m

#### TECHNICAL CHARACTERISTICS

**Base:** MS Polymer

**Colour:** White

**Consistency:** Paste

**Curing System:** Moisture Cure

**Skin formation (20°C/ 65% R.V.):** Ca. 10 min

**Curing Rate (20°C/ 65% R.V.):** 2-3mm /24h

**Hardness (DIN 53505):** 40 ± 5 Shore A

**Elastical Recovery (ISO 7389):** > 75%

**Specific gravity (DIN 53479):** 1,67 gr/ml

**Maximum allowed Distortion:** ±20%

**Temperature Resistance (fully cured):** -40°C to +90°C.

**Elasticity Modulus 100% (DIN 53504):** 0,75 N/mm<sup>2</sup>

**Tear strength (DIN 53504):** 1,80 N/mm<sup>2</sup>

**Elongation at Break (DIN 53504):** 750%

**Shear Strength:** 0,90 N/mm<sup>2</sup>

**Application temperature:** +5°C to +35°C

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### STORAGE

In a cool and dry place at temperatures between +5°C - +25°C

### SHELF LIFE

12 months in unopened packaging in the above mentioned storage conditions

### PACKAGING

Cartridges 290ml

PACKAGING	CODE	BARCODE
290ml	04215	5204094042150

### HEALTH AND SAFETY INFORMATION

**P101:** If medical advice is needed, have product container or label at hand **P102:** Keep out of reach of children **P103:** Read label before use **P501:** Dispose of the contents/containers in accordance with the current legislation on waste treatment **EUH208:** Contains Dioctylbis (pentane-2,4-dionato-O,O')tin. May produce an allergic reaction

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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