

LIQUID MS SILICONE

DATASHEET

1.1. DESCRIPTION:

Elastic coating based on MS technology. The product ready to apply, curing in ambient temperature by reaction with humidity for waterproofing and repairing roofs.

Available colours: White, black, grey and terracotta

1.2. PROPERTIES:

- No shrinking (contain no water or solvents).
- One component, easy to apply in wide range of temperatures(+5°C to +50°C).
- Suitable for wet areas.
- Very good adhesion to wide range of common construction materials (concrete, cement, ceramic tiles, roof tiles, etc.).
- Can be apply without primer.
- High elasticity (up to 400 %).
- Waterproof. Can be used even in areas with standing water in roofs and terraces.
- High cracks / gaps filling capacity.
- Withstands very extreme temperatures from – 40°C to + 90°C.
- Permeable to water vapour.
- High resistance to ultraviolet rays and different weather conditions.
- Paintable.

1.3. TECHNICAL CHARACTERISTICS:

UNCURED LIQUID MS SILICONE

Appearance	Liquid paste
Yield	1,5-3 Kg / m ²
Drying time	24 hours / 2mm.
Volume loss (DIN 52451) (%)	Priceless
Application temperature (°C)	+5 to +50 °C

CURED LIQUID MS SILICONE (4 weeks at 23°C and 55% H.R.)

Appearance	Similar to rubber
Dureza Shore A hardness (ISO 868)	20
Modulus 100% (ISO 37)	0,35 MPa.
Tensile strenght (ISO 37)	0,80 MPa.
Elongation at break (ISO 37)	400 %
Movement accomodation factor	25 %
Temperature range in service	-40 °C a + 90 °C
U.V. and weather resistanc	Very good
Chemical resistances (Water, soapy water, brine)	Very good
Chemical resistances (Inorganic diluted acids and alkalis)	Very good

1.4. APLICATIONS:

- Waterproofing and protection for:
 - Flat and sloping roofs.
 - Gutters.
 - Roof terraces (moderate transitable, accessible for maintenance).
 - Joints at chimneys, skylights and ventilation outlets.
- Can be used for:
 - Common materials in construction and waterproofing.
 - Metals in general (copper, zinc, aluminium, stainless steel, galvanized sheet, etc).
 - Thermal insulation.
 - Wood.
- Especially suitable for reconstruction and repair of leaks, joints between tiled roofs and entry points of pipework.
- For the waterproofing of roofs with Aqua Protect liquid MS silicone, the second layer of the product can be used for bonding the ceramic assembled pieces.

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1.5. INSTRUCTIONS:

- Treatment of the surfaces: the surfaces must be completely clean and free from dust, grease, mud, oils, etc.
 - **Absorbent surfaces:** Mineral and wooden surfaces must be cleaned mechanically.
 - **Metals:** Remove corroded parts and any traces of paint mechanically.
 - **Plastics:** Sand to roughen these materials and clean with a "white Spirit" type solvent.
 - **Bituminous surfaces:** With this material, it is always necessary to use our PRIMER for LIQUID MS SILICONE.

Any material not known by the user in terms of adhesion, must previously be tried out or consulted with our Technical Department.

- **Procedure:** LIQUID MS SILICONE, needs no preparation and can be applied directly with a brush, roller or spatula. If it is necessary to apply a second coat, we recommend waiting at least 24 hours before applying it. The second coat must be a minimum 1.5 mm thick. The curing time depends on atmospheric conditions.
- **Yield:** 1.5 a 3 kg / m² depending on surface porosity.
- **Post treatment:** LIQUID MS SILICONE, does not need protection from the weather conditions. However, it can be painted with any acrylic paint or alkyd which is sufficiently elastic.
- **Cleaning:** Fresh product, is easily removed with "White Spirit" type organic solvent. Tools must be cleaned with the same type of solvent, immediately after use.

1.6. HEALTH & SAFETY:

While curing LIQUID MS SILICONE releases methanol. These vapors must not be inhaled for prolonged periods of time or in high concentration levels. Therefore, the working area should be well ventilated. Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If this should occur, rinse the affected area thoroughly with plenty of water and if needed, see a doctor. Rubber resulting after curing can be handled without risk. Use gloves and in case of splashing, wash with industrial detergent when the product is still fresh. DO NOT WASH HANDS WITH SOLVENTS.

1.7. AVAILABLE COLOURS:

