

MAPSIL 211-S

Low outgassing electrically conductive adhesive

Technical data sheet: RE 211-S

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Licence n° 89/CNES/6303

Licence n° 99/CNES/0171

➤ Coating characteristics

Polymer matrix	➤ Two component purified silicone elastomer
Pigment	➤ Silver coated copper
Density	➤ -
Solids content	➤ 100 %
V.O.C.	➤ < 1 g / L
Electrical volume resistance	➤ 200 Ω / cm ³
Outgassing	➤ in compliance with ESA standard : ECSS-Q-70-02A
Temperature range	➤ - 100°C ↔ + 200°C
Surface preparation	➤ Perfect cleaning (please contact us). Any sticking on the resin being absolutely prohibited, the sticking areas must be masked beforehand.
Base/hardener weight ratio	➤ 100 / 3
Pot life	➤ 1 h @ 25 °C
Curing	➤ 24 h @ 25 °C
Adhesion	➤ Good adhesion on glass. The application of PSX primer is prerequisite on composites and metallic alloys.

➤ Definition

Low outgassing electrically conductive two component silicone adhesive.

Aspect: **silvery thixotropic paste**
 AFNOR NFT 36005 classification: Family I Class 10c.

Purpose: Used as an electrical sealant in space industry and vacuum technology: i.e. O-S-R + ITO sealing.

➤ Properties

Test carried out	Qualification report
Outgassing	➤ Intespace M 1075

➤ Application parameters

MAPSIL 211-S must be applied with a spatula.
 Homogenize thoroughly the base and the hardener before use.

➤ Packaging

105 g (100 g Base + 5 g Hardener)

➤ Storage

Up to 6 months in original unopened packaging between 5°C & 25°C.

➤ Safety data

Labelling ➤ This preparation was classified in compliance with the directives in effect.

Precautions & Transport ➤ Please refer to our latest safety datasheet.

*Non-contractual technical data: for your information only.
 For further information, please contact us.*