

MACSIL Aerosol Silicone Release Agent

1 INTRODUCTION

MACSIL is a blend of silicones and surfactants dissolved in rapid drying solvents and packed in aerosol form. This product does not contain any CFCs, 111-trichloroethane or any other kind of halogenated solvent.

2 APPLICATIONS

MACSIL is suitable for many moulding materials and a variety of substrates. Typical moulding materials are polyurethane epoxy acrylic and polyester casting resins.

MACSIL has been formulated for high quality general purpose moulding at temperatures from ambient to 100C.

3 SPECIFICATION

Specification	Units	Min	Max
Solids by Weight	%	4.00	9.45
Fill Weight	g	249.00	255.00

4 TYPICAL PROPERTIES

Solids by Weight	3.5	%
S.G.	0.75	

5 PREPARATION OF MATERIAL

The material is in a ready to use aerosol. It should be shaken well before use.

6 METHOD OF USE

The aerosol can should be held 250 mm - 350mm away from the mould surface. The can should be kept moving during the spraying otherwise patches of excess material will form. If possible the spray should be kept perpendicular to the area being sprayed.

The application of a number of light coats is preferable to one heavy coat. Light coats allow the solvent to dry more rapidly and improves the surface finish.

The application technique used will depend upon mould geometry. Deep sections undercuts and recesses often lead to incomplete coverage by shadowing parts of the mould surface from the release agent spray. This may lead to difficulty in releasing the moulded parts.

A thin sprayed coat should dry within 2 minutes at 20C. Higher mould temperatures and a current of air over the mould will lead to shorter drying times. Casting onto release agent which has not fully dried may cause softening of the surface of the moulded part.

7 HANDLING & STORAGE

This product is flammable. Refer to the relevant Safety Data Sheet for details regarding the safe handling of this material.

Do not handle or store near open flames, or sources of heat or ignition. Store in a cool well ventilated place.
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Protect the material from direct sunlight to avoid a build up of heat inside the container.

Do not puncture or incinerate aerosol cans even when empty.

This product has a shelf life of 24 months from the original date of manufacture when stored as described above in the original unopened container.

8 HEALTH & SAFETY

The Safety Data Sheet provides details of the Health and Safety aspects of this product. This should be read carefully before the containers are opened and before storage or use. Please contact us immediately if you are not in possession of a Safety Data Sheet for this product.

9 PACKAGING

This product is available in 400ml aerosols.

This material is available in bulk in 1l, 5l, and 25l containers as RL510.

10 SUITABILITY FOR USE

Information is given to the best of our knowledge and belief but without warranty or liability. Materials must be tested for suitability of application by the user. Finished products produced from any batch of our materials must be subjected to comprehensive standards of quality control by the user.