

Textile

DOW CORNING® 3-3445 Red flowable elastomer

FEATURES

- Self levelling liquid, suitable for spraying or dipping
- Very good release properties
- Temperature stability up to 260°C (500°F), intermittent use up to 300°C (572°F)
- Good unprimed adhesion to a variety of metals
- BGA not FDA approved

Flowable one part acid curing RTV silicone for high temperature release coatings

APPLICATION

- Typically used to coat plates or moulds, used to produce bakery products or other foodstuffs.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Color		Red
Active ingredient	%	100
Viscosity	mPa.s	40,000
Skin-over time	minutes	10
Tensile strength	MPa	1.5
Elongation	%	300
Hardness	Shore A	25

FOOD CONTACT STATUS

When fully cured, DOW CORNING 3-3445 Flowable Elastomer may be used for food contact applications in accordance with European regulations for silicones in contact with food. This product complies with BGA Chapter XV, and with the French Arrêté du 25/11/92.

These regulations are also subject to end-use compliance with European migration limits. Therefore it is recommended to postcure the coating and properly wash it before end use.

HOW TO USE

All surfaces to be coated should be free from dust and grease before application. Cleaning with a suitable solvent e.g. isopropanol is recommended to remove surface contamination.

When spraying DOW CORNING 3-3445 Flowable Elastomer it is necessary to dilute to an appropriate viscosity with a non polar solvent such as cyclohexane or other volatile aliphatic solvents. Minimum spraying pressure is 5 bar, a more uniform coating may be obtained by the use of airless spraying at a higher pressure (100 bar).

The optimum cure schedule for DOW CORNING 3-3445 Flowable Elastomer is as follows:

Room temperature drying for minimum 1 hour followed by post curing at 200°C (392°F) for 30 minutes (minimum). The post cure is important in order to meet the food contact regulations.

Graph 1. gives an indication of cure speed versus temperature and humidity.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored between -10°C (14°F) and 30°C (86°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

PACKAGING

This product is available in 199.5kg containers.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers' tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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Graph 1: Cure speed in relation to temperature and humidity.



