Technical Data Sheet

XIAMETER™ SLT-3445 Sealant Acetoxy Red Flowable

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

Features & Benefits

- 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
- XV BfR Recommendation and 90/128/EEC under EU Food Regulations
- 21 CFR 175.105 and 21 CFR 177.2600 under U.S. FDA regulations

Applications

- 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.

Property	Unit	Result
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, XIAMETER™ SLT-3445 Sealant Acetoxy Red Flowable may be used for food contact applications in accordance with European regulations for silicones in contact with food.

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.

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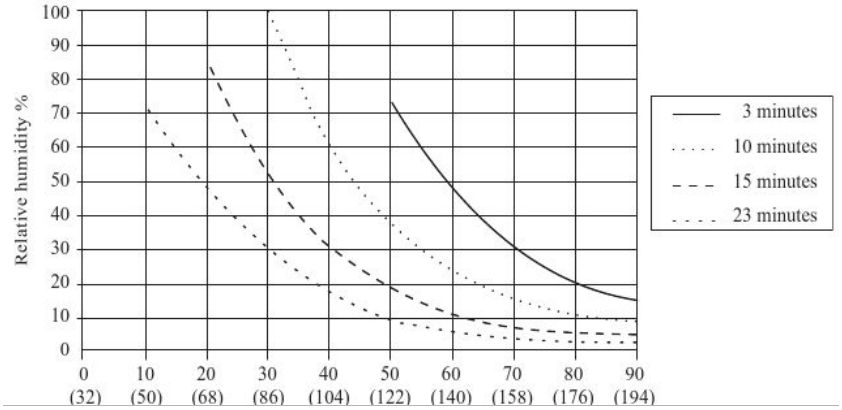
How To Use (Cont.)

When spraying XIAMETER SLT-3445 Sealant Acetoxy Red Flowable 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 XIAMETER SLT-3445 Sealant Acetoxy Red Flowable 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.



Graph 1
Cure speed in relation to temperature and humidity

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And Storage

Product should be stored between -10°C (14°F) and 30°C (86°F) in original, unopened containers.

Limitations

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

Not intended for human injection.

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

http://www.xiameter.com

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