

# Silbione<sup>®</sup> RTV-4320 A/B

## Fast Cure Putty

### Description

**Silbione<sup>®</sup> RTV-4320 A/B** is a two component, addition cure, room temperature cure silicone putty. It is designed to quickly cure to a 20 Durometer (Shore A) rubber with low linear shrinkage, good mechanical properties and excellent combination of hardness and tear strength. **Silbione<sup>®</sup> RTV-4320 A/B** is a **health-care** grade product and may be used for skin contact applications.

### Applications

- Architectural molding
- In-situ molding
- Rapid prototyping
- Furniture molding
- Antiquities molding
- Special effect skins and prosthetics

### Typical Properties

TYPICAL PROPERTIES - AS SUPPLIED		TYPICAL CATALYZED PROPERTIES	
<u>Part A - Base Component</u>		Mixed at 24°C (75°F) and 50% R.H.	
• Color, Consistency	White Paste	• Mix Ratio, A:B (Parts by weight)	1:1
• Specific Gravity	1.2	• Pot Life, minutes	2
<u>Part B – Curing Agent</u>		• Release Time from master, minutes	5
• Color, Consistency	Beige Paste		
• Specific Gravity	1.2		

TYPICAL PROPERTIES OF CURED RUBBER (Cured at room temperature, measured 24 hours after curing)		
Property	Test Method	Value
• Hardness, Shore A <sup>1</sup>	ASTM D2240	20
• Tensile Strength, psi (N/mm) <sup>2</sup>	ASTM D412	500
• Elongation, % <sup>2</sup>	ASTM D412	300
• Tear Resistance, ppi (N/mm) <sup>2</sup>	ASTM D624, Die B	40(7)
• Linear Shrinkage, %, 24 hours <sup>2</sup>		0.2

<sup>1</sup> 6mm thickness

<sup>2</sup> 2 mm thickness

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Rhodorsil<sup>®</sup> silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

### Storage and shelf life

When stored in its original unopened packaging, at a temperature of 24°C (77°F), **Silbione<sup>®</sup> RTV-4320** may be stored for 6 months from the date of manufacture. Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

### Safety

Please consult the Safety Data Sheet. The curing agent for this material can generate a flammable gas upon contact with acidic, basic, or oxidizing materials. Precautions to avoid contact of this curing agent with these materials should be exercised. Keep product away from children. To obtain a material safety data sheet for this product contact Bluestar at 800-356-7560.

# Silbione<sup>®</sup> RTV-4320 A/B

## Blending

Parts A and B components of **Silbione<sup>®</sup> RTV 4320** are designed to be mixed by hand in equal parts – 100 parts of **Silbione<sup>®</sup> RTV 4320 A** with 100 parts of **Silbione<sup>®</sup> RTV 4320 B**.

WARNING: these parts cure by polyaddition reaction. Avoid contact with the following chemicals, as these could inhibit curing:





- Salts of metal
- Amines
- Sulphur and derivatives
- catalyst of epoxy resin

Also, avoid contact with powdered latex gloves and condensation-cured silicones.

## Packaging

**Silbione<sup>®</sup> RTV 4320 A/B** is available in 55 lb (25 kg) pails.

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### Warning to the users

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