

## RTV 8001 Retarder

### RTV 8001 additive

**Product Description** RTV 8001 Retarder is a liquid component for RTV 8001, the 2 Part addition cure, translucent silicone rubber, for increasing work life time

**Key Performance Properties**

- Increasing the work life time

**Application** Can be used for mould making when a long pot life is required

### Typical Product Data

Uncured Properties		RTV 8001 Retarder
Colour		Translucent
Viscosity @ 20°C (Haake)	mPa·s	100
Recommended dosage	%	1-2

### RTV8001 Base: RTV8001 Cat mix ratio 90:10 parts by weight:

Pot life @ RT 50 minutes  
Pot life @ 35°C 40 minutes

### 1 Part of RTV8001 Ret added:

Pot life @ RT 120 minutes  
Pot life @ 35°C 70 minutes

### 2 Parts of RTV8001 Ret added:

Pot life @ RT 150 minutes  
Pot life @ 35°C 90 minutes

**Specifications** Typical product data values should not be used as specification. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV1 and RTV2.

**Instructions for Use** RTV8001 Retarder should be mixed in the recommended amount to the Base component before mixing the Cat component.

### Mixing

High temperatures (above 38C) in the mould making area should be avoided to prevent premature expiration of the working time. Surfaces and mixing containers should be clean and dry before use. Mixing of the RTV 8001 Retarder component can be done by hand or machine. When hand mixing, use a clean, flat bladed spatula or paint stirrer. Material clinging to sides and bottom of the container should be folded into main contents twice during the mixing cycle.

Using a power mixer, avoid high mixer speeds for prolonged periods, which could cause heating of the material resulting in shorter pour time. Automatic dispensing machines designed to meter (weigh), mix, deaerate and dispense silicone mould making grades will reduce the necessary preparation steps and are recommended for use where volume is sufficient to justify costs.

#### **Deaeration**

Air entrapped during the mixing cycle must be removed to eliminate voids in the cured compound. Using a vacuum of 10- 20 mbar, the material will expand to 3-4 times its original volume, crest and recede approximately to the initial level.

#### **Handling and Safety**

Material Safety Data Sheets are available upon request from Momentive performance materials Silicones. Similar information for solvents and other chemicals used with Momentive performance materials Products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed.

#### **Storage and Warranty Period**

The warranted shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 4 months when stored in the original unopened containers at temperatures of 27°C or below.

#### **Availability**

RTV8001 Retarder is available in 1kg cans.



PRINCIPAL LOCATIONS – Regional Information

North America	World Headquarters 187 Danbury Road Wilton, CT 06897, USA	T 800.295.2392	F 607.754.7517
Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700, Brazil	T +55.11.4534.9650	F +55.11.4534.9660
Europe, Middle East, Africa and India	D-51368 Leverkusen Germany	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241.750
Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E <a href="mailto:cs-na.silicones@momentive.com">cs-na.silicones@momentive.com</a>		
	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
Latin America	E <a href="mailto:cs-la.silicones@momentive.com">cs-la.silicones@momentive.com</a>		
	• Argentina & Chile	T +54.11.4862.9544	F +54.11.4862.9544
	• Brazil	T +55.11.4534.9650	F +55.11.4534.9660
	• Mexico & Central America	T +52.55.5899.5135	F +52.55.5899.5138
	• Venezuela, Ecuador, Peru, Colombia, & Caribbean	T +58.212.285.2149	F +58.212.285.2149
Europe, Middle East, Africa and India	E <a href="mailto:cs-eur.silicones@momentive.com">cs-eur.silicones@momentive.com</a>	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241750
	E <a href="mailto:cs-ap.silicones@momentive.com">cs-ap.silicones@momentive.com</a>		
Pacific	• Japan	T +81.276.20.6182	
	• China	T +86.21.5050.4666 (ext. 1523)	
	• Korea	T +82.2.6201.4600	
	• Singapore	T +65.6220.7022	
Worldwide Hotline	Worldwide Web <a href="http://www.momentive.com">www.momentive.com</a>	T 800.295.2392 T +607.786.8131	F +607.786.8309

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