



## RTV Silicones for Launch Structures

### Advanced silicone products that can protect launchpad surfaces and support structures

Since the beginning of time, people have looked up at the stars and longed to explore the world above them. For more than 60 years, Momentive has been part of the journey into space—providing the silicone in the boots of the first astronaut to walk on the moon—in the rockets that propelled those pioneers into orbit—and on every US manned space flight since. Building on the legacy of our past, Momentive continues to develop innovative silicones that help today's aerospace pioneers reach ever greater heights. From launch to landing, Momentive's advanced silicone products enable the next generation of space exploration.

#### Typical Benefits of RTVs for Launch Structures

- Sprayable application
- Room temperature cure with no heat required
- Formulated to be solvent-free
- Easily re-workable for maintenance
- Self-extinguishing in case of fire
- Can maintain critical properties over extreme temperatures up to 260°C (500°F)

#### POTENTIAL APPLICATIONS

Protective coatings for surfaces directly exposed to flame

Heat shield for monitoring equipment

Flexible adhesive and sealant capable of withstanding vibration and movement

Corrosion protection and weather-proofing

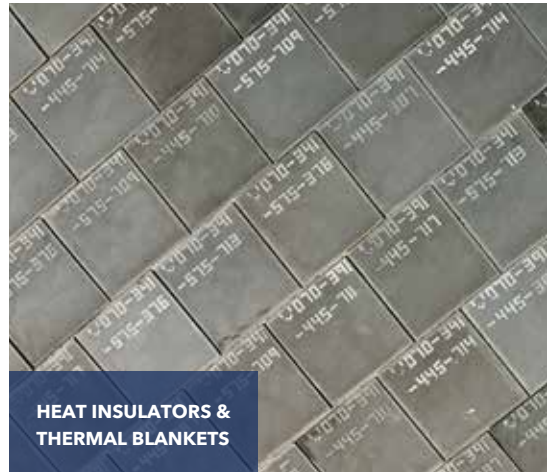
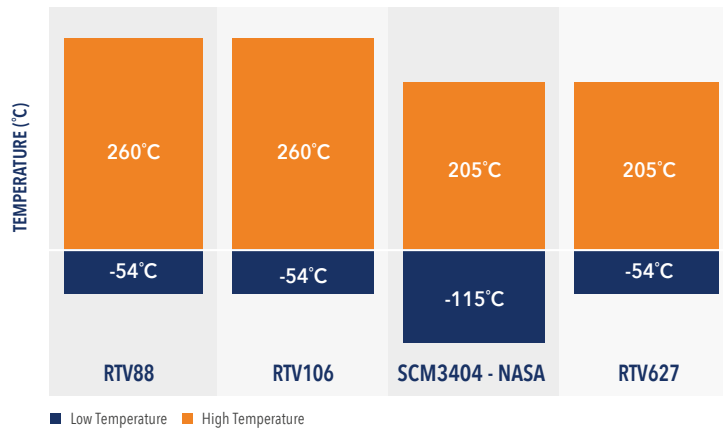


## Launch Structures Product Line

Product	Cure Types	Description	Work Life Time (hr)	Tensile (psi)	Tear Strength (Die B, lb/in)	Elongation (%)	Hardness (Shore A)	Catalyst Options
RTV88	2P, Condensation	Red, high-temperature, paste sealant	0.8	830	42	58	120	YES
RTV 106	1P, Condensation	Red, high-temperature, paste adhesive	0.5	375	40	400	30	NO
SCM3404 - NASA	1P, Condensation	Grey, solventless, flowable sealant	2	320	15	245	50	NO
RTV627	2P, Condensation	Grey, flame-retardant, flowable sealant	2	475	19	60	62	NO

Typical properties are average data and are not to be used as or to develop specifications.

## Launch Structures Product Line



## Customer Service Centers

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