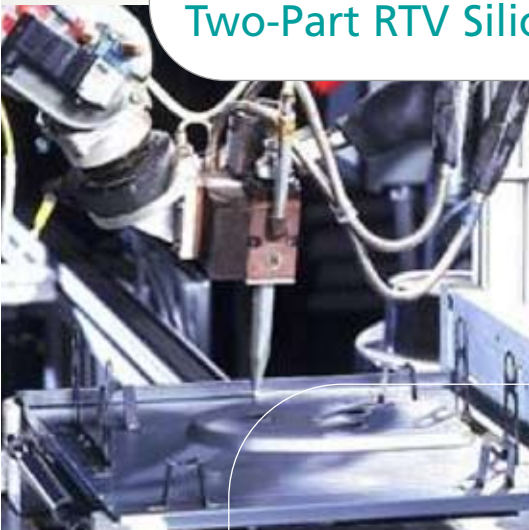




Dow Corning®
Two-Part RTV Silicone Sealants for Home Appliance Assembly



*We help you
invent the future.™*

www.dowcorning.com



Dow Corning® Two-Part RTV Silicone Sealant: Total Assembly Solutions for Home Appliance Production

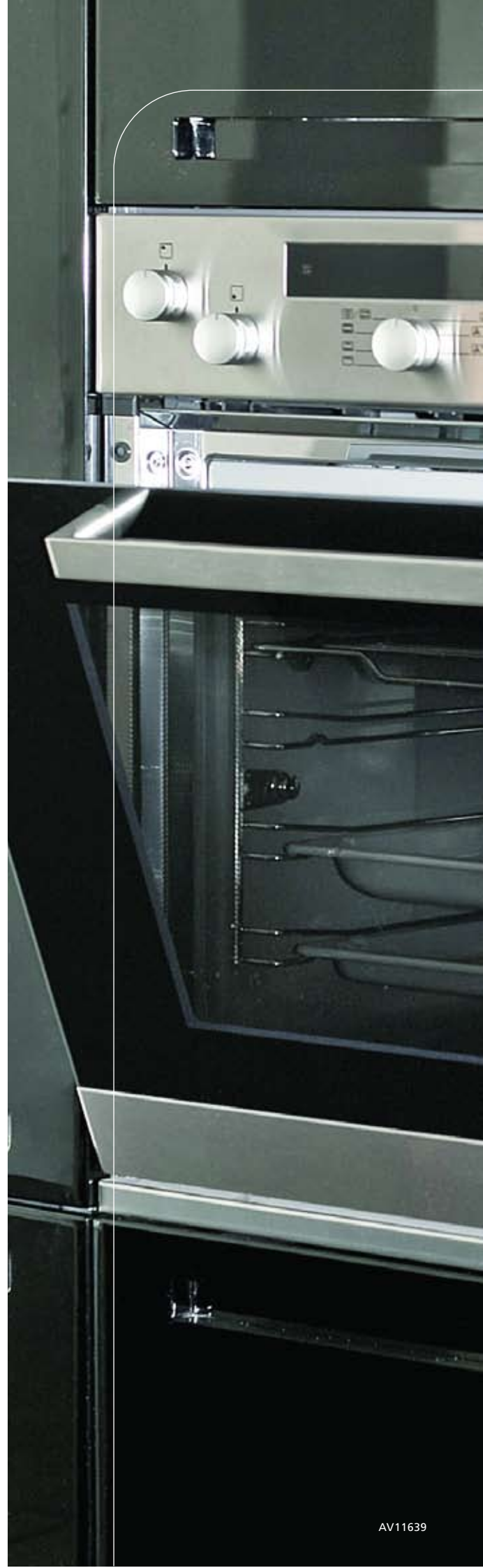
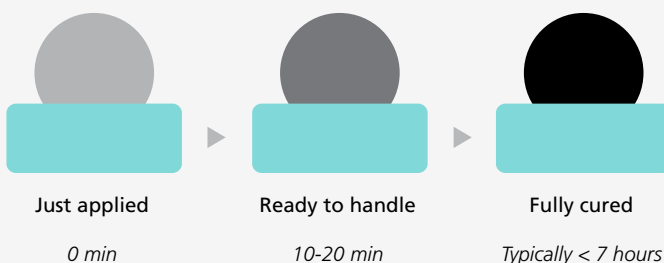
Achieve Faster Processing Speeds

When it comes to lowering manufacturing costs and increasing the quality of home appliances, designers and engineers around the world turn to Dow Corning for sealant solutions.

Dow Corning Two-Part RTV (room temperature vulcanization) Sealants combine an adhesive base and catalyst that provides a longer lasting, more versatile seal than most organic polymer products. Dow Corning Two-Part RTV Sealants offer a number of additional advantages:

- Cures consistently at room temperature regardless of humidity levels, allowing for more predictable production flow.
- Parts are ready to handle after only 10 to 20 minutes and fully cured after 7 hours. This reduces floor space requirements and improves production efficiency.
- Can be applied robotically to achieve consistent distribution, reduce waste and improve product consistency.
- Adheres well to glass, screen printed glass, stainless steel and other metals, and many plastics that are used in a wide variety of home appliances.
- Can be specified in an attractive black finish to create a more professional-looking finished product.

Two-Part RTV Sealants: Reduce Number of Adhesives for Many Assembly Applications

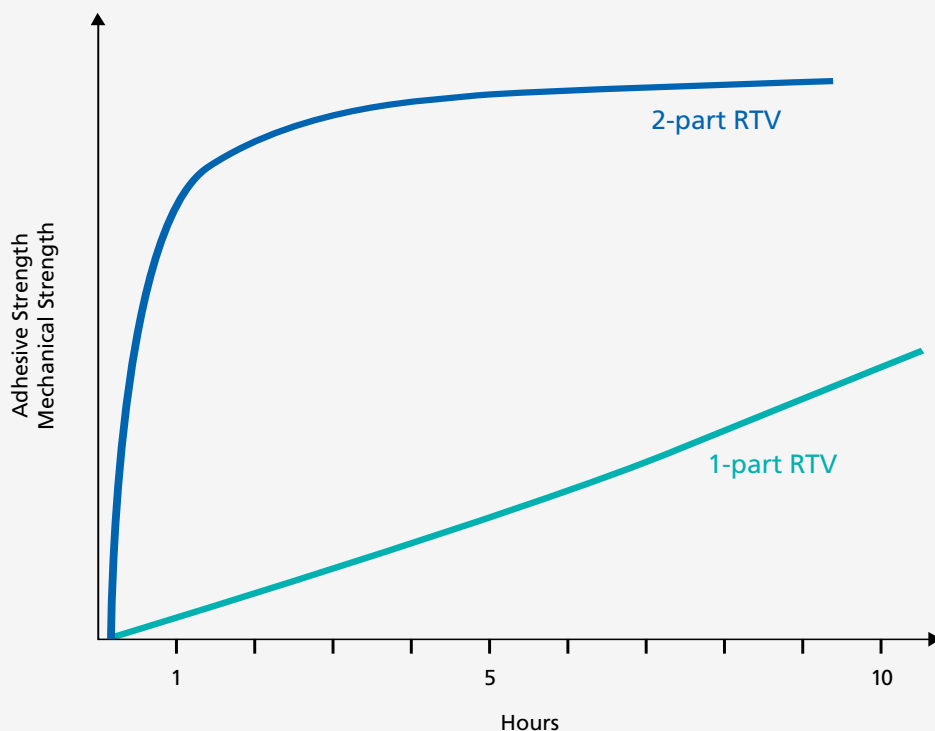


Ideal for high-speed, automated manufacturing, Dow Corning Two-Part RTV Sealants offer a wide range of benefits to home appliance manufacturers, including fast cure and handling times.

Product Features	1-part	2-part
Typical Cure time	> 24 h	< 7 h
Typical Handling Time	> 8 h	10-20 min
Cure Time Variance with Humidity level	Yes, High	No
Cure Time Reduction with moderate heat (up to 70°C)	No	Yes
Deep Section Cure Critical	Yes	No
Smell of Cure By-Product	Typically strong (Acetic acid)	Low odor (neutral cure)
Corrosive Cure By-Product	Yes	No
Manual or Robotic Application	Both	Robotic only
Toolable	Yes	Yes

The fast cure and handling times of Dow Corning Two-Part RTV Sealants allow home appliance manufacturers to quickly move products from one manufacturing phase to the next. By streamlining their process, customers can realize new efficiencies and production savings.

Two-Part RTV Silicone Sealants Deliver Superior Strength

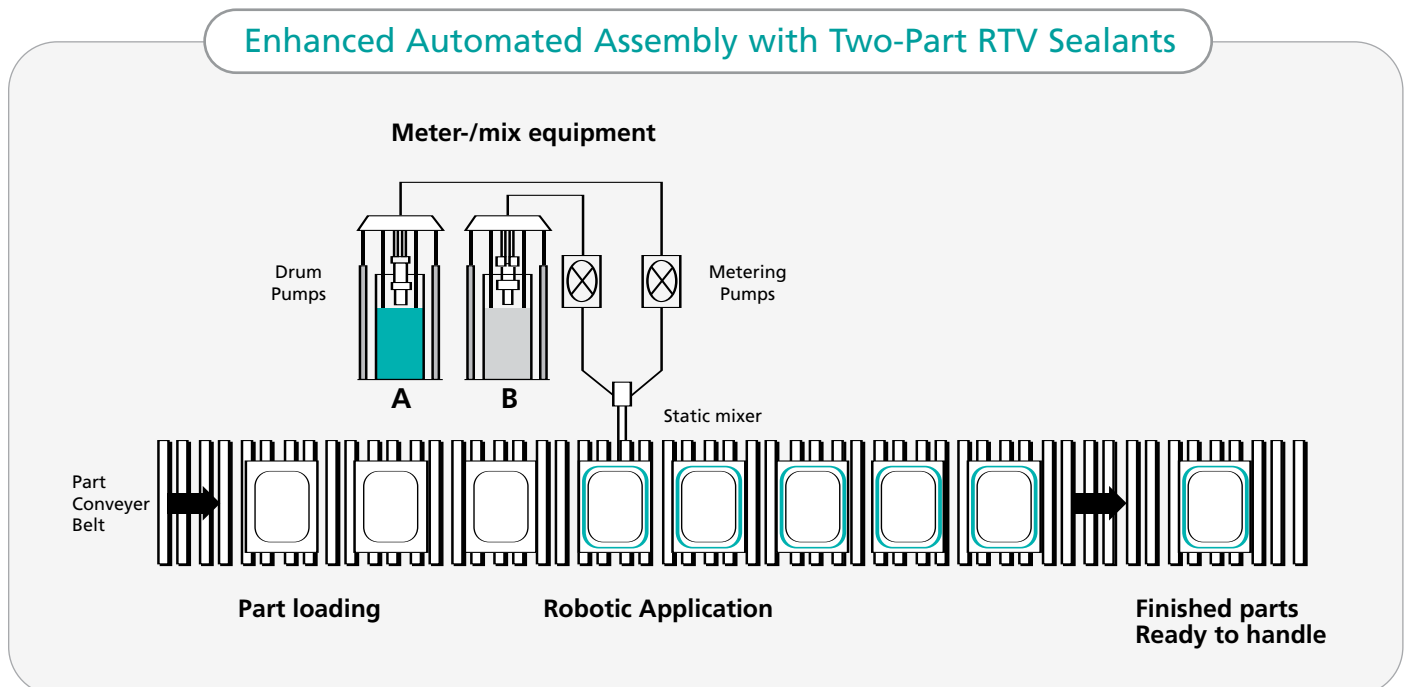


Two-Part RTV Silicone Sealants Help Achieve Total Cost Savings

Dow Corning Two-Part RTV Sealants help reduce your bottom line by streamlining manufacturing costs throughout the manufacturing process.

Cost Savings	1-part	2-part
Handling Savings	Parts must cure for 24 hours	Parts can be handled after 10-20 minutes
Labor Savings	Typically 2 operators are needed to move parts	Parts can be moved via conveyer belt, no operators needed
Storage Savings	Required floor space for storing the parts around 150 to 200m ²	No storing area needed
Waste Reduction	Manual application causes excess material that needs to be tooled	Robotic application can reduce material by up to 40%
Climate Control Savings	Optimal cure time requires climate chamber/humidity chamber	Cure speed is independent of humidity level
Quality Savings	Improper handling with incompletely cured parts can damage the bond line	Fast cure time significantly reduces risk of part damage by handling
Total Cost Savings	• • •	Up to 25 %
Time to Recover Investment	• • •	< 200,000 to 400,000 parts < 3 to 6 months

Enhanced Automated Assembly with Two-Part RTV Sealants



Applications: Dow Corning® Two-Part RTV Silicone Sealant

Dow Corning two-part RTV sealants are an excellent choice for many home appliance applications, particularly stove tops and oven door windows.

Stove Tops

Challenge: The adhesive bond in ceramic stove tops must be aesthetically pleasing and capable of withstanding high temperatures. One-Part Acetoxy and Oxime Cure silicone adhesives take a long time to cure and sometimes require primer pretreatment.

Solution: Dow Corning Two-Part RTV Sealants cure quickly, develop excellent adhesion and provide temperature resistance.

Oven Doors

Challenge: Oven door assembly requires a fast-curing and cost-effective sealant. Heat cure silicone adhesive are typically more expensive and require special equipment. One-Part silicone sealants require a very long cure time.

Solution: Dow Corning Two-Part RTV Sealants cure quickly at room temperatures and provide primerless, long-lasting adhesion ideal for high-speed, automated manufacturing.



As the global leader in silicon-based technology and with more than 60 years of experience as a silicone supplier, Dow Corning provides products, services and business solutions to meet your needs exactly. Whether you need to boost performance, lower costs, or increase customer satisfaction with your systems, modules and components, we have experts who can help.

When you select Dow Corning as your business partner, you get fully integrated application and engineering support along with high-quality products and materials. From parts manufacturing to consulting to critical components' design, our experts can customize solutions that provide safety, reliability and durability for the home appliance market.

Product	Handling Time, min.	Hardness (Shore A)	Elongation at Break, %	Tensile Strength, MPa
Q3-3526	10-20	38	280	2.0
EA2626	10-20	45	200	2.2
Q3-3636	10-20	35	250	1.9

Two-Part RTV Sealant Selection

Dow Corning offers three formulations of two-part RTV sealant: Q3-3526, EA2626 and Q3-3636. To select the best sealant for your specific application needs, contact your local Dow Corning supplier.

How To Contact Us

Dow Corning has sales offices, manufacturing sites, as well as science and technology laboratories around the globe. For more information, visit www.dowcorning.com/appliance.

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Global Presence. Local Support.

Dow Corning's global presence enables you to develop specifications centrally while providing consistent high-quality products and services locally. Through our global sales, application engineering, product development and manufacturing and delivery capabilities, our quality is consistent around the globe. This also enables a more effective and efficient product customization process—no matter where you are located!

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