



Industrial, Appliance and Maintenance

Consumer Solutions

## Sealant Solutions for the Oil & Gas Industry

Explore. Discover. Meet your challenges.

**DOW**SIL™





## Effective Solutions for Extreme Conditions

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### **Tough challenges need effective solutions.**

Nothing comes easy in oil and gas – onshore or offshore, upstream or downstream. Tough challenges come with the territory. Extreme conditions create critical issues at every stage, from exploration and extraction to transport, storage and processing. You strive for increased equipment reliability and added service life. You demand operational and environmental safety. And you work to eliminate downtime, reduce maintenance and prevent losses. These tough challenges must be met with effective solutions. Every day. Everywhere. Let us help.

### **Work with a global solutions provider.**

Discover Dow's innovation, expertise, service and support. We have high-performance solutions for your extreme-condition applications:

- Flexible sealants for joints and flanges
- Pump and compressor sealants
- Heat- and solvent-resistant sealants
- Water-resistant sealants that can be used for desalination units

### **Explore Dow solutions.**

On salty platforms and in dusty oilfields, at safety-critical terminals and along high-pressure pipelines – from engineering and operations to maintenance and processing – we have effective solutions. Look at our specialized products. Put our technical experts on your team. Rely on our global commercial network to help. Explore. Discover. And let's work together to get your tough jobs done right with our high-performance DOWSIL™ brand silicone sealants.



### Discover silicone sealant solutions.

DOWSIL™ silicone sealants include coatings, form-in-place gasketing materials and hot-melt assembly adhesives. They are longer lasting and more versatile than most organic-polymer sealants. And these effective solutions have a proven track record of high performance under extreme conditions – in construction for structural glazing, on wind-turbine nacelles for U.V. resistance, for automotive engine and transmission seals and gaskets, and on aircraft for reliable fuel and pressure sealing.



DOWSIL™ silicone sealants can fill voids and cracks and provide excellent formed-in-place gaskets for compressors, gearboxes, pumps and valves.



For sealing joints and flanges, DOWSIL™ silicone sealants can provide bonding that remains flexible in heat and cold, and withstands long-term weather exposure.

Explore our strengths. Tell us your needs. And discover your answers. Our solutions experts get their job done right so you can, too.



Solvent-resistant DOWSIL™ sealants can be used on fuel lines and tanks, pumps and compressors, and pipe joints.

### Count on solutions that last.

DOWSIL™ sealant solutions can be used for sealing a wide array of oilfield equipment, tooling and fittings. They are suitable for equipment assembly, maintenance shop repairs and in-field service. They meet many challenges in oil and gas applications:

- **Stability in high and low temperatures**, with limited stiffening or softening, keeps these seals and gaskets in place to reduce potential for leakage and loss.
- **Extreme exposure resistance** prevents degradation and loss of sealing strength under long-term exposure to sunlight, salt spray, abrasive sand and airborne contaminants.
- **Chemical stability**, especially with fluorosilicones, maintains sealing integrity when exposed to fuels, solvents and many corrosive chemicals that cause many organic sealants to fail.
- **Good bond strength** ensures long-lasting adhesion to a wide range of equipment materials, including glass, metals, masonry, painted surfaces and plastic parts.
- **Dielectric insulating properties** provide good protection against short circuits and power losses when these sealants are properly used to seal electrical circuits and devices.
- **Low flammability** helps these sealants comply with fire-safety regulations and codes.

# Global. Local. And ready to help.

## Expect results that get tough jobs done right.

As a global solutions provider for today's oil and gas industry, Dow can help you meet tough challenges worldwide. Our high-performance silicone sealants are available wherever needed. And our effective solutions for your specific problems can be developed locally, working together, with the technical service and expertise you require.

## Let's talk.

Tough work needs teamwork. Every problem has a solution. Add us to your problem-solving team and meet your toughest sealing challenges with trusted Dow performance.

## Your global connection

Dow customer service and engineering centers are strategically located worldwide. And our network of technical distributors provides local support for each and every producing region. We have the right specialty lubrication and sealant solutions for today's global oil and gas industry.

## Learn more

Get details about Dow's innovation and expertise in – and service and support for – challenging applications in the oil and gas industry. Visit **[consumer.dow.com](http://consumer.dow.com)** for more information.



Our global team of technical experts and our strong commercial network can work with you to define challenges and deliver solutions that work.

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