

# XIAMETER™ Brand Sealants – Americas

## Product technical data/Selection guide

When you're looking for a reliable silicone sealant or polymer that will help you stay cost-competitive, XIAMETER™ brand is the way to go.

In the XIAMETER™ product line, you'll find a range of commonly used silicone sealants and sealant polymers to meet your specific performance requirements.

With XIAMETER™ brand from Dow, you get:

- High-quality silicone sealants and sealant polymers at competitive, market-driven prices
- Products available around the globe that are locally made, locally sold to meet formulation preferences
- Reliable, proven performance
- Flexible buying options that let you adjust to changing needs for value, security and convenience

### Sealant chemistry

XIAMETER™ brand sealants are room-temperature-vulcanizing (RTV) silicone sealants. The condensation cure occurs at room temperature upon exposure to moisture in air.

Acetoxy-cure chemistry produces an acetic acid by-product, which smells like vinegar and is corrosive to some metals, including brass and copper. Oxime-cure chemistry produces a nonacidic by-product.

### Silicone advantages

Select the right sealant and make the most of the advantages of silicones over organic competitors

- Silicone sealants outperform and outlast organic weatherproofing sealants
- Silicone sealants have greater UV stability and temperature and weather resistance than organic sealants.
- Silicone sealants are inherently waterproof
- Silicone sealants remain flexible over a wide temperature range and are easy to apply in cold weather
- Silicone sealants last longer and need to be replaced less often than many organic sealants, which reduces lifetime costs and contributes to sustainability

### Acetoxy silicone sealants

#### Type

Acetoxy-cure, one-component, RTV silicone sealants

#### Special properties

- One-component adhesive/sealant for ease of use
- Good adhesion to glass
- Cures to a tough, flexible silicone elastomer
- Resistant to ozone, ultraviolet (UV) radiation and temperature extremes

#### Potential applications

- Industrial sealing and bonding
- Formed-in-place gaskets
- Waterproofing rimless sinks
- Sealing around shower-tub enclosures, sinks, urinals and whirlpools
- General sealing and caulking applications

### Oxime silicone sealants

#### Type

Oxime-cure, one-component, RTV silicone sealants

#### Special properties

- One-component adhesive/sealant for ease of use
- Cures to a tough, flexible silicone elastomer
- Nonacidic cure enables use on a variety of substrates

#### Potential applications

- General-purpose sealing and bonding
- Space-filling rubber adhesive
- Caulking and sealing window and door frames, siding, trim, skylights, gutters, vents, and pipes
- Sealing to some plastics and vinyls

## Product information

| Product name  | Composition  | Available colors   | Features   | Typical applications   |
|---|--|--|--|--|
| <b>Acetoxy sealants</b>                                 |  |  |  |  |
| XIAMETER™ SLT-5100 Sealant Acetoxy                      | Premium silicone multipurpose sealant; one-component; RTV                          | Black, clear, gray                                       | Nonslump; paste like consistency   | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets                                   |
| XIAMETER™ SLT-5102 Sealant Acetoxy High Temperature Red | Premium silicone sealant with fungicide; one-component; RTV                        | Red  | High-temperature-resistant; nonslump; pastelike consistency  | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets                                   |
| XIAMETER™ SLT-5104 Sealant Acetoxy                      | Premium silicone sealant with fungicide; one-component; RTV                        | Clear, white   | Fungicide-containing; nonslump; pastelike consistency  | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets. Formulated for mildew resistance |
| XIAMETER™ SLT-5200 Sealant Acetoxy                      | Premium silicone Multipurpose sealant; one-component; RTV                          | Clear, blue, bronze, gray, white, brown, black, aluminum | Premium; nonslump; pastelike consistency   | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets                                   |
| XIAMETER™ SLT-5201 Sealant Acetoxy                      | Premium silicone sealant with fungicide; one-component; RTV                        | Almond, translucent, white, clear                        | Premium; fungicide-containing; nonslump; pastelike consistency   | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets. Formulated for mildew resistance |
| XIAMETER™ SLT-5202 Sealant Acetoxy High Temperature Red | Premium silicone sealant; one-component; RTV                                       | Red  | Premium; high-temperature-resistant; nonslump; pastelike consistency   | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets                                   |
| XIAMETER™ SLT-5204 Sealant Acetoxy                      | Premium silicone sealant with fungicide; one-component; RTV                        | Clear, white, almond                                     | Premium; fungicide-containing; nonslump; pastelike consistency   | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets. Formulated for mildew resistance |
| XIAMETER™ SLT-5300 Sealant Acetoxy Extended             | Extended acetoxy silicone sealant; one-component; moisture-cure RTV                | Aluminum, black, clear, white                            | Easy to apply; offers excellent adhesion to a variety of nonporous substrates, such as glass, glazed ceramic tiles and aluminum                        | A wide variety of industrial sealing and adhesive applications; diverse sealing and bonding applications, such as space-filling rubber adhesive or formed-in-place gaskets                                   |
| XIAMETER™ SLT-5301 Sealant Acetoxy Extended             | Extended acetoxy silicone sealant with fungicide; one-component; moisture-cure RTV | Clear, white, black, gray                                | Easy to apply; offers excellent adhesion to a variety of nonporous substrates, such as glass, glazed ceramic tiles and aluminum; contains fungicide    | Suitable for sanitary or other construction sealing applications. Formulated for mildew resistance   |
| XIAMETER™ SLT-5400 Sealant Acetoxy Extended             | Extended acetoxy silicone sealant; one-component; moisture-cure RTV                | Aluminum, black, clear, white, gray, bronze, red         | Easy to apply; offers excellent adhesion to a variety of nonporous substrates, such as glass, glazed ceramic tiles and aluminum; nonslump              | Suitable for use across a broad range of applications  |
| XIAMETER™ SLT-5404 Sealant Acetoxy Extended             | Extended acetoxy silicone sealant with fungicide; one-component; moisture-cure RTV | Clear, translucent white, white, black                   | Easy to apply; fungicide containing , offers excellent adhesion to a variety of nonporous substrates, such as glass, glazed ceramic tiles and aluminum | Suitable for use across a broad range of applications. Formulated for mildew resistance  |

## Product information cont.

| Oxime sealants                                  |   |   |   |  |
|---|---|---|---|--|
| XIAMETER™ SLT-7000 Sealant Oxime                | One-component; neutral cure RTV silicone sealant                | Aluminum, black, bronze, clear, gray, white, titanium | Nonslump; cures to a tough, rubbery solid upon exposure to moisture in the air                                    | General-purpose sealing and bonding agent as a space-filling rubber adhesive or form |
| XIAMETER™ SLT-7001 Sealant Oxime                | One-component; neutral cure RTV silicone sealant with fungicide | Clear, white, almond                                  | Nonslump; cures to a tough, rubbery solid upon exposure to moisture in the air; cured sealant is mildew-resistant | General-purpose sealing and bonding agent as a space-filling rubber adhesive or form |
| XIAMETER™ SLT-7002 Sealant Oxime Low Volatility | One-component; neutral cure RTV silicone sealant                | Aluminum, blue, red, black                            | Low volatility; nonslump; cures to a tough, rubbery solid upon exposure to moisture in the air                    | General-purpose sealing and bonding agent as a space-filling rubber adhesive or form |
| XIAMETER™ SLT-7010 Sealant Oxime                | One-component; neutral cure RTV silicone sealant                | Black, white, red, clear                              | Neutral cure; superior adhesion and durability  | Glazing, weathersealing and trade applications; guttering and cladding applications  |
| XIAMETER™ SLT-7011 Sealant Oxime                | One-component; neutral cure RTV silicone sealant with fungicide | Clear, gray, black, white                             | Neutral cure; contains fungicide; superior adhesion and durability  | Glazing, weathersealing and trade applications; guttering and cladding applications  |

## Typical properties

Specification writers: Please contact your local XIAMETER™ sales office before writing specifications on these products.

| Product name  | Available geography (NA – North America; BR - Brazil) | Estu-sion Rate, g/min | Tensile strength at Break, psi (kg/cm <sup>2</sup> ) | Tack-free time, minutes | Elongation at break, percent | Durometer, Shore A | Peel strength, low-carb/s. steel, ppi | Peel strength, alum/stn. steel, ppi | Non-volatile content, percent | Specific gravity |
|---|---|-----------------------|--|-------------------------|------------------------------|--------------------|---------------------------------------|-------------------------------------|-------------------------------|------------------|
| XIAMETER™ SLT-5100 Sealant Acetoxy                      | BR  | 355                   | 364  | 12                      | 475                          | 27                 | –                                     | –                                   | –                             | 1.02             |
| XIAMETER™ SLT-5102 Sealant Acetoxy High Temperature Red | BR  | 349                   | 334  | 13                      | 450                          | 27                 | –                                     | –                                   | –                             | 1.02             |
| XIAMETER™ SLT-5104 Sealant Acetoxy – M                  | BR  | 361                   | 289  | 13                      | 445                          | 27                 | –                                     | –                                   | –                             | 1.02             |
| XIAMETER™ SLT-5200 Sealant Acetoxy                      | NA  | 364                   | 264  | 13                      | 499                          | 25                 | 26                                    | 26                                  | 91                            | 1.02             |
| XIAMETER™ SLT-5201 Sealant Acetoxy – M                  | NA  | 370                   | 266  | 14                      | 508                          | 25                 | 26                                    | 26                                  | 91                            | 1.02             |
| XIAMETER™ SLT-5202 Sealant Acetoxy High Temperature Red | NA  | 362                   | 265  | 13                      | 509                          | 25                 | 25                                    | 25                                  | 92                            | 1.02             |
| XIAMETER™ SLT-5204 Sealant Acetoxy – M                  | NA  | 375                   | 266  | 13                      | 501                          | 24                 | 25                                    | 26                                  | 91                            | 1.02             |
| XIAMETER™ SLT-5300 Sealant Acetoxy Extended             | BR  | 750                   | 205  | 10*                     | 485                          | 23                 | –                                     | –                                   | –                             | 0.99             |
| XIAMETER™ SLT-5301 Sealant Acetoxy Extended - M         | BR  | 900                   | 222  | 10*                     | 495                          | 23                 | –                                     | –                                   | –                             | 0.99             |
| XIAMETER™ SLT-5400 Sealant Acetoxy Extended             | NA  | 632                   | 232  | 13                      | 512                          | 21                 | –                                     | –                                   | –                             | 0.96             |
| XIAMETER™ SLT-5404 Sealant Acetoxy Extended - M         | NA  | 614                   | –  | 13                      | –                            | –                  | –                                     | –                                   | –                             | 1.04             |
| XIAMETER™ SLT-7000 Sealant Oxime                        | NA  | 488                   | 150  | 50                      | 600                          | 30                 | –                                     | –                                   | –                             | 1.04             |
| XIAMETER™ SLT-7001 Sealant Oxime – M                    | NA  | 396                   | 150  | 50                      | 600                          | 30                 | –                                     | –                                   | –                             | 1.04             |
| XIAMETER™ SLT-7002 Sealant Oxime Low Volatility         | NA  | 497                   | 169  | –                       | 690                          | 21                 | –                                     | –                                   | –                             | 1.04             |
| XIAMETER™ SLT-7010 Sealant Oxime                        | BR  | 331                   | 307  | 10*                     | 479                          | 25                 | –                                     | –                                   | –                             | 1.04             |
| XIAMETER™ SLT-7011 Sealant Oxime – M                    | BR  | 319                   | 384  | 10*                     | 498                          | 25                 | –                                     | –                                   | –                             | 1.04             |

\*Skin over

## Storage and shelf life

Shelf life is indicated by the “use by” date found on the product label.

## Limitations

### **XIAMETER™ acetoxy sealants are not recommended:**

- On surfaces to be painted; paints will not adhere well to sealant (paint before applying sealant)
- In totally confined areas (atmospheric moisture is required for cure)
- For use on or near sensitive metals, such as copper, brass, zinc, galvanized iron or magnesium (acetic acid released during cure can be corrosive, especially in confined cure conditions)

### **XIAMETER™ oxime sealants are not recommended:**

In totally confined areas (atmospheric moisture is required for cure)

**These products are neither tested nor represented as suitable for medical or pharmaceutical uses.**

## Learn more

Visit [www.xiameter.com](http://www.xiameter.com) to learn more about the many product options available to you from the XIAMETER™ brand.



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