

WACKER

CREATING TOMORROW'S SOLUTIONS



EXPERT SEALANT TECHNOLOGY



ADHESIVES & SEALANTS | SILICONE SEALANTS | MEA

EASY SEALING WITH WACKER® SILICONE SEALANTS

HIGH-PERFORMANCE SILICONE SEALANTS FOR EXCELLENT RESULTS



A silicone sealant always finds use where a gap requires filling or a joint needs to be sealed. Compared with alternative sealing systems, silicone sealants will last a very long time, thanks to their stable quality. Silicone sealants do not show high shrinkage, as is the case with acrylics, and exhibit excellent movement capability. Therefore, they are ideally suited for walls and floors of buildings or washbasins and bath tubs that are typically exposed to some movement. Furthermore, silicone sealants are very cost-efficient.

Why Use Silicone Sealants from WACKER?

WACKER has a 100-year history and is one of the world's leading construction solution providers. With over 60 years' experience in silicon chemistry, WACKER played a pioneering role in developing silicone sealants and remains a technological leader in this area.

WACKER sealants are indispensable as sustainable products in virtually all key industries.

The WACKER® SILICONE SEALANT brand is the product of choice for construction and industrial applications from connection and expansion joints to sanitary sealing needs.

You make the request – we provide the optimum solution!



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For more information on
WACKER® silicone sealants,
please visit:
www.wacker.com/sealants



GENERAL PURPOSE AND SANITARY

WACKER's general-purpose silicone sealants are designed for sealing, renovation work, repairing, bonding and gap filling in a variety of home and industrial applications – from glazing, plumbing, and air-conditioning ducts to cars and boats.



WACKER® GP – General Purpose

This is a one-part, acetoxy silicone sealant for many applications. It cures at room temperature in the presence of atmospheric moisture to give a permanently flexible silicone rubber.

Applications

- Sealant for a variety of do-it-yourself applications
- Suitable for many general industrial sealing and bonding uses

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-40 °C) and high (+100 °C) temperatures after curing
- Adheres excellently to most non-porous siliceous materials (e.g. glass, tiles, ceramics, enamel, glazed tiles); impregnated, varnished or painted wood and some plastics

Colors

- Transparent
- Bronze S1
- Gray S1
- Black S1
- Brown S1
- White S1
- Beige S1
- Beige S1



WACKER® GS – General Sanitary

This is a one-part, acetoxysilicone sealant. Due to mildew-resistance it is particularly suitable for sanitary applications.

Applications

- Sealant for a variety of do-it-yourself applications
- Joints in sanitary areas
- Specifically suitable for areas exposed to high humidity

Colors

- Transparent
- White S1

Special Features

- Mold retardant
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-50 °C) and high (+150 °C) temperatures after curing
- Adheres excellently to glass, vitrified surfaces, ceramic tiles, many plastics and most paints



WACKER® SN – Sanitary Neutral

This is a one-part, neutral silicone sealant with good adhesion. It is mildew- and fungus-resistant and therefore particularly suitable for sanitary applications to various substrates, especially suitable for alkaline substrates as well as some plastics.

Applications

- Joints in sanitary fittings, e.g. between floor or wall and shower or wash basin
- Particularly developed for areas exposed to high humidity

Colors

- Transparent
- White
- Ivory

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Good tooling properties
- Mildew-resistant
- Excellent elongation, weatherability and durability



WACKER® GP-N – General Purpose Neutral

This is a one-part, neutral silicone sealant with outstanding adhesion to alkaline building substrates.

Applications

- Sealant for internal connection and expansion joints
- Suitable for fenestration and glazing applications

Colors

- Gray
- Black
- Brown
- White
- Transparent

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Good tooling properties
- Excellent weatherability, adhesion and durability
- Non-corrosive to metals
- Adheres to various substrates UPVC, aluminum, concrete, fibrous cement



GLAZING, WINDOWS AND DOORS

WACKER's silicone sealants for buildings are compatible with a variety of materials and withstand movement and changing weather conditions. They provide you with stable quality for perfect sealing.



WACKER® GP – General Purpose

This is a one-part, acetoxy silicone sealant for many applications. It cures at room temperature in the presence of atmospheric moisture to give a permanently flexible silicone rubber.

Applications

- Sealant for a variety of do-it-yourself applications
- Suitable for many general industrial sealing and bonding uses

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-40 °C) and high (+100 °C) temperatures after curing
- Adheres excellently to most non-porous siliceous materials (e.g. glass, tiles, ceramics, enamel, glazed tiles); impregnated, varnished or painted wood and some plastics

Colors

- Transparent
- Bronze S1
- Gray S1
- Black S1
- Brown S1
- White S1
- Beige S1
- Beige 31



WACKER® GP-N – General Purpose Neutral

This is a one-part, neutral silicone sealant with outstanding adhesion to alkaline building substrates.

Applications

- Sealant for internal connection and expansion joints
- Suitable for fenestration and glazing applications

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Good tooling properties
- Excellent weatherability, adhesion and durability
- Non-corrosive to metals
- Adheres to various substrates UPVC, aluminum, concrete, fibrous cement

Colors

- Gray
- Black
- Brown
- White
- Transparent



WEATHERSEAL

WACKER's silicone weatherseal products provide two very important characteristics: the ability to withstand weather and atmospheric conditions without degradation, and efficacy in sealing out air and water. With such properties, our silicone weatherseal products ensure long-term sustainability and keep maintenance costs to a minimum.



WACKER® WS – Weatherseal Superior

This is a one-part, neutral silicone sealant that will not stain exterior substrates. It exhibits good adhesion without a primer on most building materials and displays outstanding weather resistance and durability.

Applications

- Sealing of external and internal connection and expansion joints
- Sealing of mineral substrates with non-staining and non-bleeding effect
- As joint sealer for aluminum substrates without primer

Colors

- Gray
- Black
- Bronze

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Excellent tooling properties and non-staining
- Excellent weatherability, adhesion and durability
- Non-staining and non-bleeding of mineral substrates



WACKER® WN – Weatherseal Neutral

This is a one-part, neutral silicone sealant that exhibits good adhesion to exterior joints and displays outstanding weather resistance and durability.

Applications

- Sealing of external and internal connection and expansion joints
- Ideal as sealant for aluminum curtain-wall joints, especially where alkaline substrates are found (e.g. concrete or mortar)
- Aluminum panels and enameled joints and joints for window perimeter

Colors

- Gray
- Bronze
- Black
- White
- Transparent

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Good tooling properties
- Good weatherability
- Good adhesion
- Excellent durability
- Non-corrosive



PERIMETER

Today's high-rise construction often involves internal and external joints that require sealing against water and moisture intake. After window installation, for example, many perimeter applications need to be sealed with a suitable silicone sealant. The sealant provides the flexibility required for withstanding the movement encountered in the high-rise building.



WACKER® GP – General Purpose

This is a one-part, acetoxy silicone sealant for many applications. It cures at room temperature in the presence of atmospheric moisture to give a permanently flexible silicone rubber.

Applications

- Sealant for a variety of do-it-yourself applications
- Suitable for many general industrial sealing and bonding uses

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-40 °C) and high (+100 °C) temperatures after curing
- Adheres excellently to most non-porous siliceous materials (e.g. glass, tiles, ceramics, enamel, glazed tiles); impregnated, varnished or painted wood and some plastics

Colors

- Transparent
- Bronze S1
- Gray S1
- Black S1
- Brown S1
- White S1
- Beige S1
- Beige 31



WACKER® 130 – Glass & Glazing

This is a one-part, acetoxyl, high-performance silicone sealant particularly designed for use in all glass constructions.

Applications

- Sealing, bonding, mending and repairing during glazing work

Special Features

- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-50 °C) and high (+150 °C) temperatures after curing

Colors

- Transparent
- Black S1



WACKER® HS – Hybrid Sealant

This is a high-modulus, paintable, all-purpose sealant suitable for sealing a variety of different substrates.

Applications

- Connection joints that are subsequently painted
- Fixation where flexibility of the sealant is still required
- Sealing joints between a wide variety of materials, such as wood, glass, metals, plastics and mineral-based substrates
- Stress-relieving bonding and fixation
- Gap-filler

Special Features

- Almost odorless
- Solvent-, isocyanate- and phthalate-free
- Easy to process at temperatures from -5 °C to +40 °C
- Stable at temperatures from -40 °C to +80 °C
- Tack-free and highly elastic after curing
- Non-corrosive
- Paintable

Colors

- Gray
- White



WACKER® GP-N – General Purpose Neutral

This is a one-part, neutral silicone sealant with outstanding adhesion to alkaline building substrates.

Applications

- Sealant for internal connection and expansion joints
- Suitable for fenestration and glazing applications

Special Features

- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Good tooling properties
- Excellent weatherability, adhesion and durability
- Non-corrosive to metals
- Adheres to various substrates UPVC, aluminum, concrete, fibrous cement

Colors

- Gray
- Black
- Brown
- White
- Transparent



HIGH TEMPERATURE AND FIRE RETARDANT

As a building nears completion, several sealing jobs are required to finish. When the cooker hob is positioned on the countertop, an appropriate sealant that withstands high temperatures must be applied, for example. Equally so, for sealing chimney or fireplace joints, a sealant that will exhibit fire retardancy is required.



WACKER® 180 – High Temperature

This is a one-part, acetoxy, high-performance silicone sealant specifically for applications that must withstand temperatures of up to 250 °C.

Applications

- Sealing of connection and expansion joints exposed to high temperatures
- Sealing of joints exposed to constant temperatures of 250 °C (e.g. industrial ovens and chimney construction)

Colors

- Blue 15
- Red 01

Special Features

- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Flexible at low (-40 °C) and high (+150 °C) temperatures after curing
- Acetic-acid crosslinking system
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Adheres excellently to glass, vitrified surfaces, ceramic tiles, many plastics and most paints
- Maintains elastic properties at continuous temperatures of up to 250 °C
- Short-term resistance up to 275 °C



WACKER® 465 – Fire Retardant

This is a one-part, neutral, high-performance silicone sealant for construction applications where fire retardancy is required.

Applications

- Sealing of connection and expansion joints in the construction industry
- Sealing in industrial areas where flame retardancy is required

Colors

- Gray S2
- Black 09
- White S2

Special Features

- Almost odorless
- Matt finish
- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Solvent-free and thus features low volume shrinkage during curing
- Flexible at low (-40 °C) and high (+150 °C) temperatures after curing
- Non-corrosive to metals
- Suitable for alkaline substrates such as concrete, mortar or fibrous cement



FOOD, AQUARIUM AND NATURAL STONE

In kitchens, many joints around the countertops will be sealed to ensure optimum hygiene. The sealants used here must meet food-contact standards. In the case of aquarium assembly, a silicone sealant must fulfill stringent industry standards. Furthermore, the increasing use of natural stone has made a special silicone sealant that does not stain necessary.



WACKER® 120 – Food Contact

This is a one-part, acetoxo, high-performance silicone sealant for the sealing of joints in food-contact applications, which is equally suitable for container construction.

Applications

- Sealing and bonding for food-contact applications
- Equally suitable for sealing silos and containers

Special Features

- Solvent-free and thus features low volume shrinkage during curing
- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Flexible at low (-40 °C) and high (+150 °C) temperatures after curing
- Suitable for food contact per US Food and Drug Administration Regulations 21 CFR 177.1210 and 177.2600
- Officially listed under NSF/ANSI Standard 51 – Food Equipment Materials
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Adheres excellently to glass, vitrified surfaces, ceramic tiles, many plastics and most paints

Colors

- Transparent
- White S1
- Black S1



WACKER® 121 – Aquarium

This is a one-part, acetoxyl, high-performance silicone sealant for the construction of aquariums.

Applications

- Sealing of joints that are exposed to high mechanical loads and need to quickly build up mechanical strength
- Suitable for glazing and industrial applications
- Especially suitable for the construction of aquariums that meet the requirements of DIN 32 622. Ensure bond thickness is at least 1 mm. For this specific application, the temperature should be between +15 °C and +40 °C.

Colors

- Transparent
- Black S1

Special Features

- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant
- Flexible at low (-40 °C) and high (+150 °C) temperatures after curing
- Low shrinkage on curing
- Special high-viscosity paste
- Excellent mechanical properties



WACKER® 460 – Natural Stone

This is a one-part, neutral, low-modulus silicone sealant for sealing natural substrates such as marble, which is equally suitable for further indoor use or sanitary applications.

Applications

- Specially developed for sealing natural substrates such as marble, granite, sandstone and quartzite
- Sealing of joints to interior and exterior walls, e.g. for sanitary applications where natural stone is the substrate

Colors

- Transparent
- Gray S1
- Black S1
- Beige 41

Special Features

- Odorless
- Solvent-free and thus features low volume shrinkage during curing
- Mold retardant
- Excellent tooling characteristics for professional use
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Rapid crosslinking: quickly becomes tack-free and crack-resistant; high abrasion resistance
- Non-staining and non-bleeding: no contamination of joint edges through plasticizers
- Non-corrosive to metals
- Can be used on substrates such as marble, granite, sandstone and quartzite; no staining of joint edges. Suitable for alkaline substrates such as concrete, mortar and fibrous cement.



HYBRID SEALANTS AND ADHESIVES, ACRYLIC SEALANTS

WACKER's hybrid technology has given rise to an entirely new adhesive and sealant range. Formulations based on this technology offer higher performance than standard systems. They are specifically designed to seal and bond dissimilar materials. As they are isocyanate- and solvent-free, these systems are particularly environmentally and user friendly.



WACKER® PS – Paintable Acrylic Sealant

This is a one-part, water-based, acrylic sealant suitable for internal and external cracks exposed to little or no movement, as well as building repair. Once dried, it can be painted if desirable.

Applications

- Crack repair
- Paintable joint sealing
- Joints around indoor plaster
- Joints exposed to little movement

Special Features

- Almost odorless
- Readily gunnable both at low (+5 °C) and high (+40 °C) temperatures
- Excellent tooling properties
- Paintable

Colors

- White



WACKER® HA – Hybrid Adhesive

This is a high-strength, silicone-free, all-purpose adhesive suitable for bonding and repairing many different substrates.

Applications

- Bonding of a wide variety of materials, such as wood, glass, metals, plastics and mineral-based substrates
- Equally suitable for decorative frames, skirting boards, cable ducts, facing walls and insulation panels in the construction industry
- Bonds that require paint and need to be sanded

Colors

- White

Special Features

- Odorless
- Solvent-, isocyanate-, plasticizer- and tin-free
- Easy to process at temperatures from -5 °C to +50 °C
- Stable at temperatures from -40 °C to +80 °C
- Fast build-up of strength; very strong and tack-free after curing, even under water
- Excellent adhesion to many surfaces without a primer and on wet surfaces
- Paintable
- Highly resistant to media such as mineral oils, solvents, acids and alkalis



WACKER® HS – Hybrid Sealant

This is a high-modulus, paintable, all-purpose sealant suitable for sealing a variety of different substrates.

Applications

- Connection joints that are subsequently painted
- Fixation where flexibility of the sealant is still required
- Sealing joints between a wide variety of materials, such as wood, glass, metals, plastics and mineral-based substrates
- Stress-relieving bonding and fixation
- Gap-filler

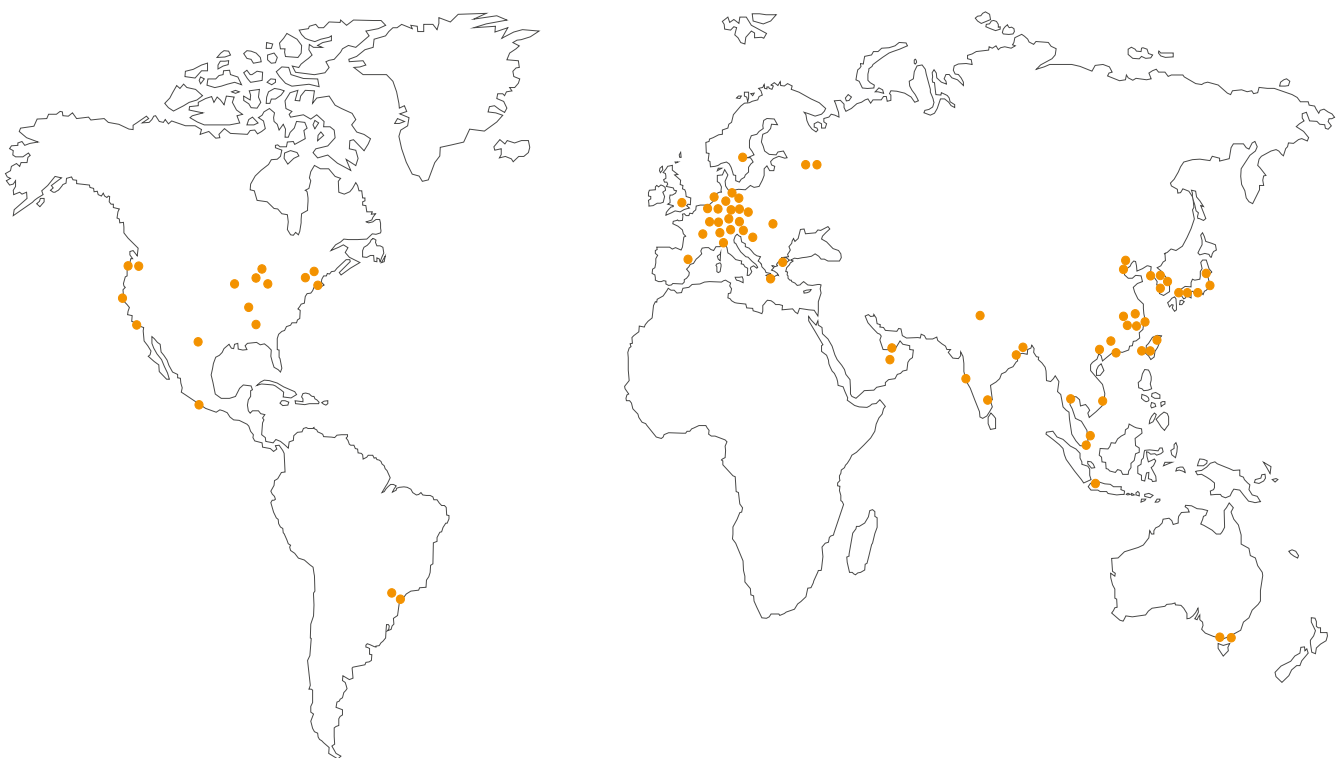
Colors

- Gray
- White

Special Features

- Almost odorless
- Solvent-, isocyanate- and phthalate-free
- Easy to process at temperatures from -5 °C to +40 °C
- Stable at temperatures from -40 °C to +80 °C
- Tack-free and highly elastic after curing
- Non-corrosive
- Paintable

EXPERTISE AND SERVICE NETWORK ON FIVE CONTINENTS



• Sales offices and production sites, plus 21 technical centers, ensure you a local presence worldwide.

WACKER is one of the world's leading and most research-intensive chemical companies, with total sales of €4.83 billion. Products range from silicones, binders and polymer additives for diverse industrial sectors to bioengineered pharmaceutical actives and hyperpure silicon for semiconductor and solar applications. As a technology leader focusing on sustainability, WACKER promotes products and ideas that offer a high value-added potential to ensure that current and future generations enjoy a better quality of life based on

energy efficiency and protection of the climate and environment. Spanning the globe with 5 business divisions, we offer our customers highly-specialized products and comprehensive service via 25 production sites, 21 technical competence centers, 13 WACKER ACADEMY training centers and 48 sales offices in Europe, North and South America, as well as in Asia – including a presence in China. With a workforce of some 16,700, we see ourselves as a reliable innovation partner



that develops trailblazing solutions for, and in collaboration with, our customers. We also help them boost their own success. Our technical centers employ local specialists who assist customers worldwide in the development of products tailored to regional demands, supporting them during every stage of their complex production processes, if required. WACKER e-solutions are online services provided via our customer portal and as integrated process solutions. Our customers and business partners thus benefit

from comprehensive information and reliable service to enable projects and orders to be handled fast, reliably and highly efficiently. Visit us anywhere, anytime around the world at: www.wacker.com

All figures are based on fiscal 2014.



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