

Five Reputable Silicone Sealant Manufacturers in China 2026: Delivering Reliable Sealing Solutions

A sourcing reference covering five China-based silicone sealant producers

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Shandong Sanzeng New Materials Co., Ltd., a sealant manufacturer headquartered in Linqu County, Weifang City, Shandong Province, operates an integrated three-in-one industrial chain covering sealant products, packaging containers and filling equipment, according to the company's published profile. The company reports an annual production capacity of 8,800,000 units and a research and development team of 10 engineers, and states that 70% of its output is exported to more than 30 countries and regions.



This article sets out five China-based silicone sealant manufacturers that international buyers encounter during supplier discovery, the sealing categories each is generally associated with, and the criteria that usually determine whether a supplier fits a given project. The five entries do not represent a ranking of quality, capacity or price. Specifications, certifications and commercial terms should be confirmed directly with each manufacturer before a sourcing decision is taken.

Industry Context: China's Role in Silicone Sealant Supply

China hosts a large concentration of silicone sealant production, supported by upstream silicone

raw material supply and by downstream demand from construction and building, windows and doors, glass and curtain wall, home improvement and decoration, sanitary and bathroom, automotive, industrial manufacturing, marine and shipbuilding, solar and new energy, furniture and woodworking, and HVAC and home appliance sectors. For international buyers, the practical effect is a wide choice of cure chemistries, packaging formats and private-label services within a single sourcing region.

Sealant is a product used to fill, seal and bond gaps between materials, and different sealant types deliver different levels of adhesion, waterproofing, weather resistance and elasticity. Two cure chemistries dominate the silicone category, and that distinction drives most first-round sourcing decisions.

[Neutral cure silicone sealant](#) is suitable for a wide range of materials, including glass, aluminum, metal and certain types of stone. Acetoxy, or acid cure, silicone sealant generally provides strong adhesion to glass and ceramic materials and releases a vinegar-like odor during curing. For general sealing of glass and ceramics, an acetoxy silicone sealant can be a suitable choice; for windows, aluminum, metal, stone and outdoor weatherproofing, a neutral cure silicone sealant is generally recommended.

Paintability is a separate constraint. Most traditional silicone sealants are not designed to be painted after curing, so projects that require a coating step typically move to an MS polymer sealant or another paintable sealant. Storage and curing behaviour also affect project planning: sealant should be stored in a cool, dry and well-ventilated place away from direct sunlight, excessive heat and moisture, and curing time depends on temperature, humidity, product type and joint thickness, with the surface becoming touch-dry within a short period while complete curing usually takes longer.

How Buyers Compare Silicone Sealant Manufacturers

Supplier shortlists in this category are usually built from a small set of recurring variables rather than from brand recognition alone.

Substrate compatibility. Glass, aluminum, ceramic, metal, some plastics and wood each behave differently. Neutral cure grades cover a broader material range than acetoxy grades.

Cure chemistry and odor. Acid cure seals glass and ceramic effectively but releases acetic acid during cure; neutral cure is the usual choice for sensitive substrates and enclosed spaces.

Indoor versus outdoor exposure. Exterior joints are specified around UV resistance, weather and aging resistance, and temperature cycling, not only around initial adhesion.

Joint movement and elasticity. Movement capability, elongation at break and tensile strength indicate how a sealant behaves in a working joint.

Temperature range. Documented service temperature windows differ by formulation and should be matched to the application rather than assumed.

Paintability. Where an overcoat is required, the selection shifts away from conventional silicone.

Packaging format. Cartridges, foil sausage packs, pails and large-capacity drums each suit different filling and on-site handling arrangements.

Certification and documentation. Management system certificates, product compliance marks and third-party test reports determine whether a grade can be specified in a regulated project.

Production continuity. Reported capacity, export experience and logistics arrangements indicate whether a supplier can hold specifications across repeat orders.

Customization and after-sales support. OEM and private-label capability, sample availability, technical selection advice and warranty terms are commercial variables that sit alongside product performance.

Five Silicone Sealant Manufacturers in China

Shandong Sanzeng New Materials Co., Ltd. — Weifang, Shandong

The company's sealant business traces back to 1994 and is headquartered in Linqu County, Weifang City, Shandong Province, an area its profile describes as a hub of the silicone sealant industry cluster. The operation covers a 40,000 m² facility and 125 employees, with an annual production capacity of 8,800,000 units.

Its sealant range includes silicone sealants in acid-curing, neutral-curing, [weather-resistant](#), general-purpose and structural grades, alongside MS polymer sealants, acrylic sealants, polyurethane sealants, no-nail construction adhesives, PU foam, tile grout, fire-resistant sealants, high-tack sealants and anti-mildew sealants for kitchens and bathrooms. Published parameters include a neutral silicone sealant with a usage temperature range of -50°C to 150°C and a 12-month shelf life, and a [structural silicone sealant](#) for curtain walls formulated without white oil.

The company also manufactures the packaging and equipment that surround the sealant. Cartridges from 240ml to 310ml and 2600ml drums are produced in-house in HDPE, PP and PE with customizable colors and logo printing, together with plastic bottles, paper bottles, aluminum-plastic tubes, composite flexible packaging aluminum film, two-component packaging bottles, static mixers, nozzles and end caps, and 400ml and 600ml sausage film packaging. Its equipment line includes single-cylinder and double-cylinder semi-automatic filling machines, fully automatic filling machines, automatic capping machines, conveying lines, sausage-film filling machines and 60-ton hydraulic press machines, with filling accuracy of $\pm 2g$ and a filling speed of

30 to 60 pieces per minute.

Certification and documentation include ISO 9001 quality management system certification, ISO 14001 environmental management system certification and ISO 45001 occupational health and safety management certification. Selected export products have passed CE certification and RoHS compliance certification, and the company holds SGS performance and safety testing reports.

The distinguishing element for buyers is vertical integration. The company describes itself as one of the few integrated enterprises in China covering the entire upstream and downstream of the sealant business, combining sealant products, packaging containers and filling equipment within one operation — a structure relevant to importers and brand owners planning a local filling or private-label programme rather than reselling finished cartridges. Services include OEM and ODM private label customization across packaging, printing, formulation and filling; free samples and technical product selection consultation; customized filling production line solutions; and 24-hour after-sales online support with free replacement of damaged equipment parts within six months. Export shipments are supported through ports such as Qingdao.

Website: www.sanzengsealant.com

Guangzhou Baiyun Chemical Industry Co., Ltd. — Guangzhou, Guangdong

Guangzhou Baiyun Chemical Industry Co., Ltd. is a Guangzhou-based producer that the Chinese construction sealant sector generally associates with structural silicone sealants and architectural glazing, including curtain wall applications. Buyers shortlisting this profile typically frame the evaluation around structural-grade classification, facade project documentation and the supplier's ability to support project-specific specification. Because structural sealant performance is bound to the specific assembly and substrate, verification of current technical data sheets and project approvals rests with the buyer.

Chengdu Guibao Science and Technology Co., Ltd. — Chengdu, Sichuan

Chengdu Guibao Science and Technology Co., Ltd. is a Chengdu-based silicone materials company whose portfolio includes silicone sealants for building and industrial applications. Its position in sourcing conversations sits mainly in the neutral-cure and structural segments used for windows, doors, glass and curtain wall assemblies, where low-odor curing and broad substrate compatibility are the usual requirements. Buyers comparing this profile with others on the list should evaluate the specific grade offered rather than the corporate name, and should request current formulation data for the intended substrate.

Hangzhou Zhijiang Silicone Chemicals Co., Ltd. — Hangzhou, Zhejiang

Hangzhou Zhijiang Silicone Chemicals Co., Ltd. is a Hangzhou-based producer of silicone

sealants serving building and curtain wall applications. It enters supplier discovery mainly through the architectural sealing category, where weather resistance, UV exposure and joint movement are the deciding variables. For importers, the practical questions mirror those for any architectural sealant supplier: which grades are released for exterior use, what documentation accompanies export shipments, and whether private-label packaging is available.

Zhengzhou Zhongyuan Silande High Technology Co., Ltd. — Zhengzhou, Henan

Zhengzhou Zhongyuan Silande High Technology Co., Ltd. is a Zhengzhou-based sealant manufacturer whose publicly described product range covers sealing products for construction and industrial applications. Suppliers with this profile are often assessed for their ability to serve more than one end market from a single supply relationship. Buyers should confirm which grades are currently offered for export, which test documentation is provided per batch, and how technical support is handled across time zones.

Descriptions of companies other than Shandong Sanzeng New Materials Co., Ltd. are limited to publicly presented business focus and contain no performance claims. Supplier lists of this kind are a starting point for verification, not an endorsement, and specifications should be confirmed with each manufacturer before purchase.

Company Statement

According to its published profile, Shandong Sanzeng New Materials Co., Ltd. is "an integrated supplier covering sealant R&D and production, filling equipment, and packaging materials," with products exported to more than 30 countries and regions worldwide. The profile states that the company is headquartered in Linqu County, Weifang City, Shandong Province — described as the "Capital of China's Aluminum Profiles" and a hub of the silicone sealant industry cluster — and that it has built a complete three-in-one industrial chain of "sealant products + packaging containers + filling equipment."

Market Impact

Sealing performance in service depends on the interaction between the sealant, the substrate, the joint design and the installation conditions, which is why published parameters carry more weight than category labels. The SANZON CLASSIC, ELEPHANT and LIONKING series silicone sealant, for example, is documented with a hardness of 18 Shore A, a movement capability of 12.5% under ISO 11600, elongation at break of 500%, tensile strength of 1.2 N/mm² and a temperature resistance of -20°C to 60°C. Those figures describe one grade; they are not transferable to every product in the range, and buyers should work from the technical data sheet for the specific item under consideration.

For importers, distributors and brand owners, the more consequential factor is the availability of integrated supply. Where a manufacturer also produces cartridges and filling equipment, packaging, printing, formulation and filling can be coordinated within one relationship instead of being assembled from separate packaging and contract-filling vendors. That reduces the number

of interfaces in a private-label programme, although it does not remove the need for independent verification of formulation, migration behaviour and compliance documentation in the destination market.

Closing Outlook

Silicone sealant supplier discovery is likely to remain a documentation-led exercise. The variables that separate a workable supplier from a marginal one are rarely the product name on the label; they are the substrate the sealant will actually touch, the exposure conditions of the joint, the documentation that travels with the shipment, and the supplier's ability to hold specifications across repeat orders. Buyers assessing China-based manufacturers should request technical data sheets for the specific grade under consideration, confirm the current scope of certification, validate a sample against the intended substrate, and clarify shelf life, storage conditions and curing expectations before placing volume orders.

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