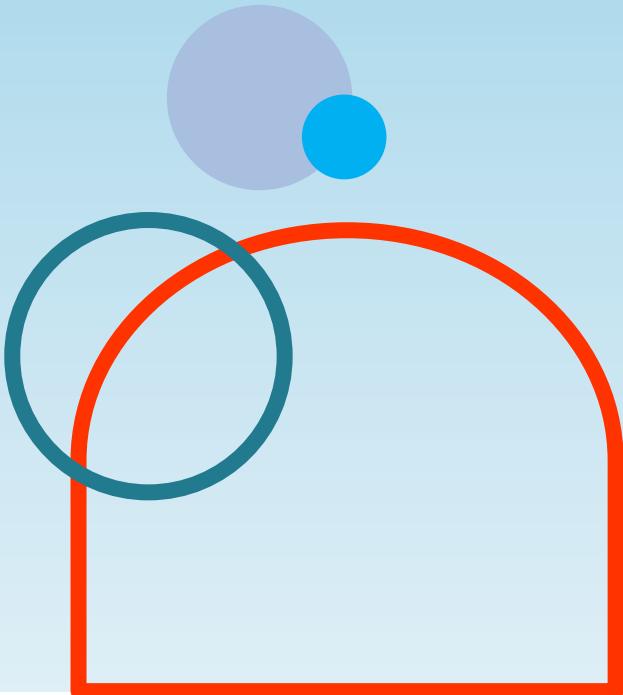
KZK Corporation

Company Profile



As a specialist for silicone materials, KZK Corporation contributes to customer's material development, functional improvement, and other problem solvings through offering new "Si-materials" and application know-how.

What "Si-materials"?

"Si-materials" stands for chemicals or compounds containing silicon(Si) atoms. There are various chemical compositions and forms such as Silanes, Silicones, Silicas, Silicone modified organic materials, etc. These materials are well-known with its unique characteristics and have been used broadly in industries.
KZK Corporation focuses on Si-materials especially "silicon based organic compounds" and develops solutions with Si-materials to improve functions of customers' advanced materials.

Superior Properties of Si-materials

Excellent physical properties

- Heat/cold resistance, , weatherability, transparency, electric characteristics, specific surface characteristics etc.

Essential elements of composite materials

- Silane coupling agents for interface modification for organic/inorganic materials
- Introduction of Si properties and various functional groups to improve performance of organic materials
- Si-containing copolymers, introduction of crosslinking capability

Potential precursor material for inorganic silicon material

- Silanes for CVD materials
- Formation of thin film inorganic coating by spin coating / baking
- Application to semiconductor process materials, realization of film properties

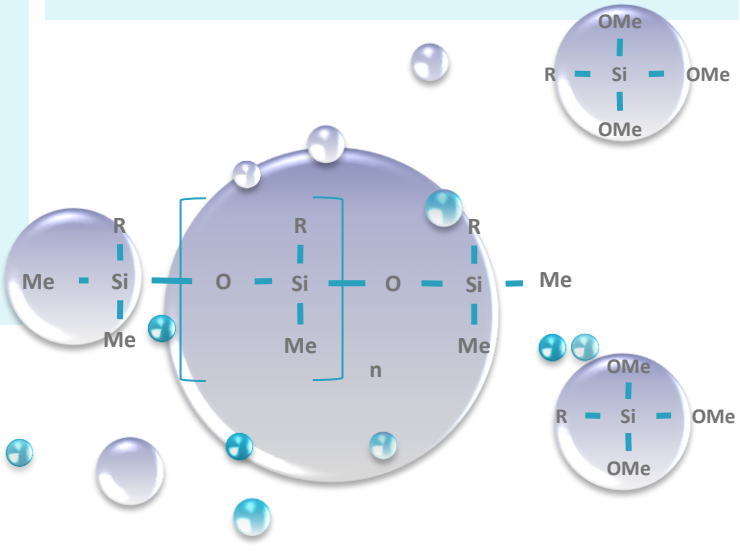
High flexibility in designing chemical structures

- Control viscosity with main chain length
- Branching, cyclic structure, introduction of organic groups
- Multiple organic functional groups
- Wide choice on product form, Liquid, elastic material, rigid resin, etc.

Reagents for organic synthesis reactions.

・Polymerization initiators, polymerization co-catalysts

・Protecting group, carbon-carbon bond forming reagent



Management Policy

- **Respond promptly and accurately to social needs through development of Si-materials and strive to improve customer satisfaction.**
- **Comply with laws and regulations, endeavor to preserve the environment, fulfill our social responsibilities.**
- **Value human resources and experience, and provide a place for social contribution to employees.**

Company Outline

Name:	KZK Corporation (ケイ素材料開発株式会社 in Japanese)
Address:	Yotsuya 4-52-53, Fuchu-shi, Tokyo, 183-0035, JAPAN
TEL:	+81-42-136-7268
Capital:	JPY5,000,000
Established:	October 2013
Chief Executive:	Akihiko SHIRAHATA (Ph.D.,Technology)

Major Businesses

- **Develop solutions with Si-materials**
  Various consultation on Si-materials and application know-how
  New Si-material development to realize customers' requirements
- **Develop supply chains for Si-materials**
  In-house production for key raw materials/intermediates
- **Contract manufacturing for large scale production**
  Support to build stable supply for Si-materials
  Support stable procurement of raw materials and intermediates

History

2013 Experienced and knowledgeable members established KZK corporation and started providing products and applications know-how.

2014 Established a chemical laboratory in "Nokodai(*1) Tama Koganei Venture Port (*2)". Started experimental trials and material developments. Started joint development works with Nokodai. (*1) Nokodai stands for Tokyo University of Agriculture and Technology. (*2) VP is a incubation facility under support by government, Nokodai and city.

2014 Installed various analytical equipment. Installed small to medium scale production capabilities to respond to the demands in domestic and foreign users

2015 Started commercial supply for key, high performance Si-materials. Build domestic and overseas networks to obtain information on raw materials.

2016 Continuing investment in analytical equipment under the support of the government fund

2017 Strengthening basic research on silicon chemistry with professor Mitsuo Kira (Prof. Silicone chemistry, Tohoku University)

2018 Conducted joint research with Professor Toshio Watanabe of Tokyo University of Agriculture and Technology. Established a base of operations at URAC (*3) in April. (*3) University Research Administration Center

2014 – 2021 Implemented technology and product development, adopted by the Small and Medium Enterprise Agency, Tokyo Metropolitan Government, and other subsidized projects.

2021 In order to respond to expand businesses, Fuchu Laboratory was newly established (4-52-53 Yotsuya, Fuchu City) to strengthen development activities.

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