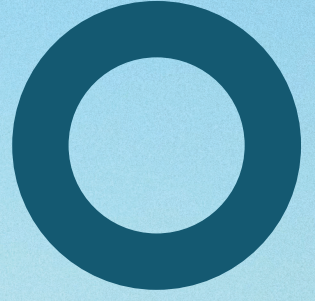


OQEMA



Q-SIL Silanes

Products for users

Technical Applications

GROUP

OQEMA is a distribution company for basic chemicals and specialities, active in all of Europe. Since its founding in 1922, the company has been among the top 10 chemical distribution companies in Europe.

With close to 1,300 employees in 23 European countries, we feature a large network of competent partners. Our customers benefit from our comprehensive expertise and our tailor-made solutions.

We are proud of the numerous well-known suppliers entrusting us with the distribution of their high quality products.

KEY FIGURES 2023

BN. € TURNOVER

1.7

PRODUCTS

15,000

EMPLOYEES

1,500

COUNTRIES

25

Silanes

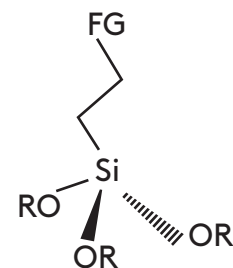
OQEMA is offering a comprehensive selection of silanes for a variety of applications. Applications for OQEMA Q-SIL silanes are found in a variety of industries, where they are used as:

- o Bonding agents
- o Cross-linking agents
- o Coupling agents
- o Surface modifiers
- o Water scavengers

Silanes improve the bonding to subsurfaces, corrosion protection, resistance to chemicals, wetting of pigments and fillers, and have an impact on the hardness of the surface. OQEMA silanes are utilised in the following areas:

- o Fillers and pigments
- o Adhesives and sealants
- o Plastics (elastomers, thermosets, thermoplastics)
- o Paints and coatings
- o Preservation of structures
- o Coatings and pre-treatment of metal

Organofunctional Silanes have an organic functional end group and an alkoxy functional end group which allow the silane to act as a bridge between organic materials and inorganic substrates. The organic functional group is matched to the resin system while the alkoxy group provides the reactive site for crosslinking. These materials are useful as adhesion promoters, crosslinking agents, surface modifiers and hydrophobizing agents.



FG = Alkyl, Amino, Epoxy, Methacryloxy, Vinyl

OR = Alkoxy, Acetoxy, Oxime

Q-SIL product range (Silane Coupling Agents)

Name	CAS	Functionality	Chemical characterization
STANDARD SILANES			
Q-SIL AMEO*	919-30-2	Amino	3-Aminopropyltriethoxysilane
Q-SIL AMMO*	13822-56-5	Amino	3-Aminopropyltrimethoxysilane
Q-SIL DAMO*	1760-24-3	Amino	N-(2-Aminoethyl)-3-aminopropyl-Trimethoxysilane
Q-SIL GLYMO	2530-83-8	Epoxy	3-Glycidoxypropyl trimethoxysilane
Q-SIL OCTEO	2943-75-1	Alkyl	N-Octyltriethoxysilane
Q-SIL VTMO	2768-02-7	Vinyl	Vinyltrimethoxysilane
SPECIALITIES			
Q-SIL ETAS	17689-77-9	Acetoxy	Ethyltriacetoxysilane
Q-SIL GLYEO	2602-34-8	Epoxy	3-Glycidoxypropyl triethoxysilane
Q-SIL HMDS	999-97-3	Silazane	Hexamethyldisilazane
Q-SIL MEMO	2530-85-0	Metacryloxy	3-Methacryloxypropyl trimethoxysilane
Q-SIL MOS	22984-54-9	Oxime	Methyl tris(methylethylketoxime)silane
Q-SIL MTES	2031-67-6	Alkoxy	Methyltriethoxysilane
Q-SIL MTMO	4420-74-0	Mercapto	3-Mercaptopropyltrimethoxysilane
Q-SIL MTMS	1185-55-3	Alkoxy	Methyltrimethoxysilane
Q-SIL PTAS/MTAS	17865-07-5 (PTAS) 4253-34-3 (MTAS)	Acetoxy	70:30 Propyltriacetoxysilane : Methyltriacetoxysilane
Q-SIL TES 28	78-10-4	Alkoxy	Tetraethoxy Silane (TES-28)
Q-SIL TES 40	oligomer	Alkoxy	Tetraethoxy Silane (TEOS-40)
Q-SIL VOS	2224-33-1	Oxime	Vinyl tris(methylethylketoxime)silane
Q-SIL VTEO	78-08-0	Vinyl	Vinyltriethoxysilane
HIGHLIGHTS			
Q-SIL 619	40372-72-3	Silyl	Triethoxysilyl propyl tetrasulfide
Q-SIL APOS DAMO-HP	./.	Alkyl	Adhesion Promoter Oligomeric Silane DAMO-Hydrophobic Polymer; N-(β-Amino ethyl)-γ-amino propyltrimethoxy silane oligomers
Q-SIL EFSO	./.	Epoxy	A silane oligomer containing gamma-glycidoxy groups and methoxy groups
Q-SIL H 142	58160-99-9	Amino/Water-borne	Aqueous solution of 3-aminopropyltriethoxysilane, low VOC
Q-SIL H 602	3069-29-2	Diamino/Methoxy	N-(2-aminoethyl)-3-aminopropyl-methyldimethoxysilane

(*) some Silanes are also available on request with HP-quality (high purity) and/or T-quality (technical grade) – please ask your sales contact for additional not listed silanes

QOEMA in all of Europe

We have been growing constantly, are at home in Europe, and nevertheless we are in the locations where our customers are. The QOEMA Group features numerous locations throughout Europe: because short delivery distances and quick response times are important to us. Because of the close cooperation with our producers, we guarantee a high degree of quality, flexibility, and reliability of supply.

NETWORK

- | | | | |
|-------------------------------|----------------------|----------------------------|--------------------|
| Austria | Denmark | Netherlands | Romania |
| Belgium | France | Lithuania | Slovakia |
| Bosnia and Herzegovina | Great Britain | Germany | Slovenia |
| Bulgaria | Greece | Poland | Spain |
| Czech Republic | Hungary | Portugal | Switzerland |
| | Italy | Republic of Ireland | Ukraine |



A series of horizontal dotted lines for writing notes.

We are looking forward to delivering to you all across Europe.

Please give us a call or write to us.

We are looking forward to hearing from you.

OQEMA GmbH (D-A-CH)
specialities.de@oqema.com
T +49 2161 3563883

OQEMA Ltd./UK + Ireland
info@oqema.co.uk
T +44 1993 843081

OQEMA Sp. z. o.o./Poland
biuro@oqema.com
T +48 42 270 44 00

OQEMA ApS/Nordics
oqema@oqema.dk
T +45 5663 8600

OQEMA s.r.o./Czech Republic
oqema@oqema.cz
T +420 597 485 910

OQEMA UAB/Baltics
marius.mickevicius@oqema.lt
T +370 37 308 924

OQEMA, s.r.o./Slovakia
oqema@oqema.sk
T +421 46 5420 778

OQEMA AG/Switzerland
sales.ch@oqema.ch
T +41 61 545 98 45

OQEMA d.o.o./Slovenia
info@oqema.si
T +386 59 096 980

OQEMA S.p.A./Italy
sales@oqema.it
T +39 0383 93521

OQEMA EOOD/Bulgaria
rudi.toshev@oqema.bg
T +359 2 983 1991

CB Chemie GmbH/Austria
office@cbchemie.at
T +43 2686 24909

OQEMA RO SRL/Romania
oqema@oqema.ro
T +40 365 804 830

Novochem Kft./Hungary
novochem@novochem.hu
T +36 52 418 666

OQEMA B.V./Netherlands
admin-nl@oqema.com
T +31 499 471325

OQEMA Iberia S.A.
(former Proquibasa)
ana.furquet@oqema.es
T +34 650 554 851

OQEMA SAS France
info@oqema.fr
T +33 4 74 96 74 56