



新安集团官方微信



新安商城

#### 总部Headquarters:

#### 浙江新安化工集团股份有限公司 ZHEJIANG XINAN CHEMICAL INDUSTRIAL GROUP CO.,LTD

地址: 浙江省建德市新安江街道江滨中路新安大厦1号  
Address: NO.1 XinAn Building, Jiangbin Middle Road, Jiande City, Zhejiang Province, P.R.China

#### 海外销售部门Overseas Sales Department:

##### Customer service center:

Europe/latin America/Oceania:	Ji Jun	jijun@wynca.cn	+86-571-8721-5053
North America/Turkey:	Alice Zhang	alice_zhang@wynca.cn	+86-571-8721-9093
Middle East/South & Southeast Asia:	Sally Wu	sally_wu@wynca.cn	+86-571-8722-8147
CIS countries/Northeast Asia:	Tracy Hong	hxp@wynca.cn	+86-571-8721-4278
India & Mexico:	Judy Zhan	judy_zhan@wynca.cn	+86-571-8722-8603

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#### 浙江新安进出口有限公司 ZHEJIANG WYNCA IMPORT & EXPORT CO., LTD

地址: 浙江省杭州市滨江区长河街道江汉路1785号  
网新双城国际1幢1504室

Address: Room 1504,15/F Building 1, Gemini Central International, No.1785 Jiangnan Road, Binjiang District, Hangzhou, Zhejiang, China  
Website: www.wynca.com www.xinanchem.com

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SILICONE MATERIAL FOR CONSTRUCTION

## 建筑防水产品手册



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浙江新安化工集团股份有限公司  
ZHEJIANG XINAN CHEMICAL INDUSTRIAL GROUP CO.,LTD



## 企业简介 COMPANY PROFILE

- Founded in 1965, listed in Shanghai Stock Exchange in 2001 (stock code 600596)
- Silicones industry started in 1985, from production of Silicon metal to various of silicone downstream products, which is one of the most vertical integrated silicone manufacturers in China.
- We will continue to be a reliable silicone product supplier and solution provider for you from now on.

## 企业文化 CORPORATE CULTURE

- ◆ **Mission:** To Be A Leader In Green Chemistry
- ◆ **Vision:** To Be An Prestigious Group Of Companies With Sustained Viability And International Competitive Edge
- ◆ **Core Value:** Sharing, Sustainable Growth By Innovation
- ◆ **Spirit:** Persistent Endeavor And Innovation
- ◆ **Interpretation Of Teamwork:** Wynca Is A Family, A School, As Well As A Stage For All Wynca People





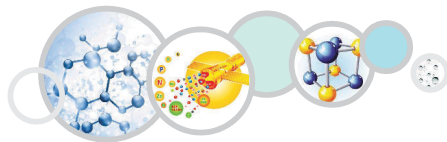
## Silicone Sealant

Product Name	Description	Typical Applications	Available Colors
XHG-9271 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Structural glazing and protective glazing applications	Black, white, gray
XHG-9273 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Weatherproof sealing of glass curtain walls, windows & doors, etc.	Black, white, gray
XHG-9276 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Weather-proof sealing of small to middle-level curtain walls, windows & doors, etc.	Black, white, gray
XHG-9281 Neutral Fungicide Silicone Sealant Oxime	One-component; RTV silicone sealant	Weatherproof sealing of glass curtain walls, windows & doors, etc. Sealing of building area such as bathroom, kitchen, etc and general purpose industrial sealing.	Clear, black, white, red, aluminium silver, brown
XHG-9283 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Structural glazing, plate glass/glass ceiling glazing of point supported glass curtain wall	Clear, black, white, red, aluminium silver, brown
XHG-9285 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Weather resistant sealing of pointed supported glass curtain wall caulking of windows and doors, sealing of building area such as bathroom, kitchen, etc and general purpose	Clear, black, white, red, aluminium silver, brown
XHG-9286 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Caulking of windows and doors, sealing of building area such as bathroom, kitchen, etc. and general purpose industrial sealing.	Clear, black, white, red, aluminium silver, brown
XHG-9287 Neutral Silicone Sealant Oxime	One-component; RTV silicone sealant	Caulking of windows and doors, other do-it-yourself applications	Clear, black, white, red, aluminium silver, brown
XHG-9139 Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Plate glass/glass ceiling, glass show windows, large-sized fish tank, aquarium, glass ceiling, etc.	Clear, black, white, red, aluminium silver, brown
XHG-9159 Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Structural glazing, large-sized fish tank, aquarium, glass ceiling, etc.; silos and containers	Clear, black, white, red, aluminium silver, brown
XHG-9169 Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Plate glass/glass ceiling, glass show windows, aluminium alloy windows and doors	Clear, black, white, red, aluminium silver, brown
XHG-9179A Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Do-it-yourself applications, glazing of different windows and doors, caulking and sealing for decorative purpose	Clear, black, white, red, aluminium silver, brown
XHG-9179 Acetoxy Silicone Sealant	One-component; RTV silicone sealant	DIY applications, glazing of different windows and doors, caulking and sealing for decorative purpose	Clear, black, white, red, aluminium silver, brown
XHG-9179X Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Do-it-yourself applications, glazing of different windows and doors, caulking and sealing for decorative purpose	Clear, black, white, red, aluminium silver, brown
XHG-9189 Acetoxy Silicone Sealant	One-component; RTV silicone sealant	Do-it-yourself applications, glazing of different windows and doors, caulking and sealing for decorative purpose	Clear, black, white, red, aluminium silver, brown
XHG-8380 Two-component Structural Silicone Sealant	Two-component, alkoxy-cure, high performance silicone structural sealant with excellent adhesion	Specialized use where dual structural applications are desired for factory glazing and curtain wall production.	A part, white B part, black
XHG-8385 Two-component Insulating Glass Silicone Sealant	Alkoxy-cure, two component silicone sealant for use as a secondary sealant in insulating glass units	Two-component Insulating Glass Silicone Sealant is intended for use as a secondary sealant in a dual-sealed insulating glass unit	A part, white B part, black
XHG-9352 Modified Silicone Sealant	Dealcoholized, One-component; RTV silicone sealant	Suitable for the district with the requirement of anti-bacterial mildew, such as kitchen, bathroom, side furnishings, refrigerated containers, storage room, operating room, purification workshop and so on	Black, white, gray
XHG-9356 Modified Silicone Sealant	Dealcoholized, One-component; RTV silicone sealant	Suitable for kitchen, bathroom, clock, mirror, frame, lamps, calligraphy and sign fixed installation; decorative decoration; all kinds of strong bonding, filling seam, sealing edge.	Black, white, gray

## Typical Properties

Product name	Density at 23℃, g/cm <sup>3</sup>	Slump, mm	Extrusion Rate, at 23℃, ml/min	Curing Rate at 23℃/50% r. h., mm/24h	Tack Free Time at 23℃ /50% r. h., min	Tensile Strength, 23℃, N/mm <sup>2</sup>	Elongation at Break, 23℃, %	Modulus at 100 % Elongation, 23℃, N/mm <sup>2</sup>	Hardness, Shore A
XHG-9271 Neutral Silicone Sealant Oxime	1.37 ± 0.03	none	60	2.5	20~50	1.20	270	0.75	45
XHG-9273 Neutral Silicone Sealant Oxime	1.37 ± 0.03	none	30~90	≥ 2	20~60	≥ 0.80	≥ 200	—	30~50
XHG-9276 Neutral Silicone Sealant Oxime	1.43 ± 0.03	none	30~90	≥ 2	20~60	≥ 0.75	≥ 150	—	30~50
XHG-9281 Neutral Silicone Sealant Oxime	1.01 ± 0.02	none	40~120	3~4	5~12	≥ 0.30	≥ 130	—	20 ± 2
XHG-9283 Neutral Silicone Sealant Oxime	1.03 ± 0.02	none	40~120	3~4	5~12	≥ 0.40	≥ 80	—	30 ± 2
XHG-9285 Neutral Silicone Sealant Oxime	1.00 ± 0.02	0	40~120	3~4	5~12	0.30	130	0.40	23 ± 2
XHG-9286 Neutral Silicone Sealant Oxime	0.98 ± 0.02	0	40~120	3~4	5~12	≥ 0.30	≥ 130	—	26 ± 2
XHG-9287 Neutral Silicone Sealant Oxime	0.98 ± 0.02	none	40~120	3~4	5~12	≥ 0.30	≥ 130	—	24 ± 2
XHG-9139 Acetoxy Silicone Sealant	1.03 ± 0.02	none	30~100	4~5	8~15	≥ 0.50	≥ 130	—	22 ± 2
XHG-9159 Acetoxy Silicone Sealant	1.03 ± 0.02	none	30~100	4~5	8~15	≥ 0.50	≥ 80	—	30 ± 2
XHG-9169 Acetoxy Silicone Sealant	1.01 ± 0.02	none	30~100	4~5	8~15	≥ 0.50	≥ 80	—	30 ± 2
XHG-9179A Acetoxy Silicone Sealant	0.97 ± 0.02	none	150~300	3~4	8~15	≥ 0.30	≥ 200	—	18 ± 2
XHG-9179 Acetoxy Silicone Sealant	0.98 ± 0.02	none	60~120	3~4	6~15	≥ 0.35	≥ 130	—	22 ± 2
XHG-9179X Acetoxy Silicone Sealant	0.97 ± 0.02	none	80~200	3~4	8~15	≥ 0.30	≥ 200	—	18 ± 2
XHG-9189 Acetoxy Silicone Sealant	0.98 ± 0.02	none	60~180	3~4	6~15	≥ 0.40	≥ 200	—	20 ± 2





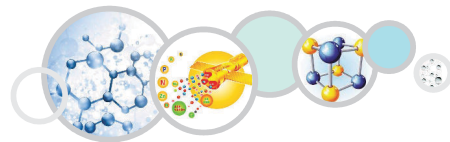
Product name	Sag Resistance, mm	Skin Formation Time, h	Hardness, Shore-A	Extrusion Rate, ml/min	Fixed Adhesion	Elastic Recovery Rate, %	Deposition and Adhesion after Immersion	Mouldproof Grade
XHG-9352 Modified Silicone Sealant	0	0.3	45	127	no damaged	70	no damaged	0
XHG-9356 Modified Silicone Sealant	0	0.4	35	120	no damaged	75	no damaged	—

Product name	Slump, mm		Tack-free Time, min	Application time, min	Hardness, Shore A	Tensile Strength, 23℃, Mpa	Break Area, %	Elongation at Break, 23℃, %	Heat Loss, %	Cracking	Chalking
	vertical	horizontal									
XHG-8380 Two-component Structural Silicone Sealant	0	no deformation	2.5	60	42	1.20	0	142	2	none	none
XHG-8385 Two-component Insulating Glass Silicone Sealant	0	no deformation	1.5	60	40	0.9	0	113	—	—	—

## Waterproof Additives

Product Type	Product Name	Functionality	Description	CASNO.	Application/ Substrate/pH type	Active Ingredient %	Typical Actives Usage Level	Specific Gravity 23℃	Flash Point, ℃
Alkyl Alkoxy Silanes	XHG-744	Alkyl	N-Octyltriethoxysilane; C <sub>8</sub> H <sub>17</sub> Si (OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> ; nOTES	2943-75-1	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12	> 95	5 to 100	0.88	65
	XHG-743	Alkyl	N-Octyltrimethoxysilane; nOTMS	3069-40-7	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12	> 95	5 to 100	0.91	66.5
	XHG-773	Alkyl	Butyl triethoxysilane; iBTES	17980-47-1	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12	> 95	5 to 100	0.88	62

Product Type	Product Name	Functionality	Description	CASNO.	Application/ Substrate/pH type	Active Ingredient %	Typical Actives Usage Level	Specific Gravity 23℃	Flash Point, ℃
Alkyl Alkoxy Silanes	XHG-774	Alkyl	Butyl trimethoxysilane; iBTMS	18395-30-7	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12	> 95	5 to 100	0.92	32
	XHG-741	Alkyl	N-propyl trimethoxysilane; nPTMS	1067-25-0	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12	97	5 to 100	0.93	26.6
	XHG-703		Tetraethoxysilane; TEOS	78-10-4	Alkaline or neutral substrates such as concrete, mortar and brick, stone; pH slightly alkaline to 12; may be used as densifier for concrete	> 95	5 to 100	0.93	54
Specialty Fluids	XHG-202		Polymethylhydrogensiloxane, trimethylsiloxy terminated	63148-57-2	Gypsum	> 95	0.1 to 0.5	1	93
	XHG-202S		Polydimethylmethylhydrogensiloxane, trimethylsiloxy terminated	68037-59-2	Natural stone: limestone, sandstone, marble, granite; pH neutral to 12	> 95	5 to 30	0.98	30
	XHG-221	Alkyl	Dimethyl, methyl, octyl siloxane, trimethylsiloxy terminated	70900-22-0	Additive for integral protection of factory-manufactured autoclave light concrete	> 95	0.1 to 0.5	0.92	>100
	XHG-203J		Silanol functional siloxane	70131-67-8	Siloxane polymer to formulate water repellent material	> 95	0.5 to 5	0.98	100
	XHG-705		Poly-methyltriethoxysilane		Gypsum decorative material. Particularly suitable for waterproofing of insulation materials, waterproofing, anti-fouling and weathering protection of high-end buildings, cultural relics protection and permanent buildings	30~60	5 to 100	0.92~1.05	



Product Type	Product Name	Functionality	Description	CASNO.	Application/ Substrate/pH type	Active Ingredient %	Typical Actives Usage Level	Specific Gravity 25℃	Flash Point,℃
Siliconates	XHG-0772	Alkyl	Sodium methyl siliconate	16589-43-8	Bricks, wood; pH neutral to 10	32	0.5 to 3	1.25	>100
	XHG-0777	Alkyl	Potassium methyl siliconate	31795-24-1	Bricks, wood; pH neutral to 10	40	0.5 to 3	1.29	>100

### Typical Properties

Product name	Description	CAS NO.	Viscosity25℃,cs	Specific Gravity25℃	Flash Point,℃
XHG-744	N-Octyltriethoxysilane; C8H17Si(OC2H5)3; nOTES	2943-75-1	1.48	0.88	65
XHG-743	N-Octyltrimethoxysilane; nOTMS	3069-40-7		0.91	66.5
XHG-773	Butyl triethoxysilane; iBTES	17980-47-1		0.88	62
XHG-741	Butyl trimethoxysilane; iBTMS	18395-30-7		0.92	32
XHG-775	N-propyl trimethoxysilane; nPTMS	1067-25-0		0.93	26.6
XHG-703	Tetra ethoxysilane; TEOS	78-10-4		0.93	54
XHG-202	Polymethylhydrogensiloxane, trimethylsiloxy terminated	63148-57-2	20-30	1	93
XHG-202S	Polydimethyl-methylhydrogensiloxane, trimethylsiloxy terminated	68037-59-2	20-30	0.98	30
XHG-221	Polydimethyl, methyloctyl siloxane, trimethylsiloxy terminated	70900-22-0	10-40	0.92	>100
XHG-203J	Silanol functional siloxane	70131-67-8	40	0.98	100
XHG-705	Poly-methyltriethoxysilane		1-5	0.92-1.05	
XHG-0772	Sodium methyl siliconate	16589-43-8		1.25	>100
XHG-0777	Potassium methyl siliconate	31795-24-1		1.29	>100

### Sealant Formulation materials

Product Name	Description	Viscosity,cs	Specific Gravity @25℃
Polymers			
XHG-107-1500cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	1500	0.975
XHG-107-2000cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	1500	0.975
XHG-107-5000cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	5000	0.975
XHG-107-20000cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	20000	0.975
XHG-107-50000cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	50000	0.975
XHG-107-80000cs	Polydimethylsiloxane polymer with terminated, curable silanol functionality	80000	0.975
XHG-107FD-20000cs	Polydimethylsiloxane polymer,dimethoxy and methyl terminated	18000	0.98
XHG-107FD-80000cs	Polydimethylsiloxane polymer,dimethoxy and methyl terminated	76000	0.98

### Fluids

XHG-207	OH end-blocked polydimethylsiloxane;OH/silanol content 2.5%	40-110	0.975
XHG-201-100cs	100% active polydimethylsiloxane polymer	100	0.96
XHG-201-350cs	100% active polydimethylsiloxane polymer	350	0.97
XHG-201-500cs	100% active polydimethylsiloxane polymer	500	0.97
XHG-201-1000cs	100% active polydimethylsiloxane polymer	1000	0.97

### Silanes

XHG-726	Phenyltris(2-butanoneoxime)silane,used as a crosslinker for ketoxime-cure silicone RTV sealants
XHG-715	Methyltris(methylethylketoxime)silane,used as a crosslinker for ketoxime-cure silicone RTV sealants
XHG-718	Vinyltris(methylethylketoxime)silane,used as a crosslinker for ketoxime-cure silicone RTV sealants
XHG-712	Triacetoxymethylsilane,used as a crosslinker for acetoxycure silicone RTV sealants
XHG-766	Triacetoxymethylsilane,used as a crosslinker for acetoxycure silicone RTV sealants
XHG-767	N-Propyltriacetoxysilane,used as a crosslinker for acetoxycure silicone RTV sealants
XHG-704	Methyltrimethoxysilane,used as a crosslinker for methoxycure silicone RTV sealants
XHG-719	Trimethoxyphenylsilane,used as a crosslinker for methoxycure silicone RTV sealants



## WYNCA GROUP 新安集团

### SITES OF SILICON-BASED MATERIALS

