### 道康宁<sup>®</sup> 硅酮玻璃密封胶

#### 概述

道康宁\*硅酮玻璃密封胶是一种高性能酸性固 化的硅酮密封胶,设计用于广泛的玻璃装配用 途,如玻璃、门窗、天窗、框架、室内外门 隔、店面厨窗等民用或工业用装配。可与大多 数常用建筑材料形成耐久且富弹性的防水密封 层。

#### 典型物理性能

至规范制定者:以下数据仅供参考,不得直接 用于规格制订。

属性	单位	数值	
供应品在25℃,50%相对湿	度下測试		
流淌,下垂或垂流	m	<2	
表干时间*	分钟	11	
深度固化*	毫米深/1天	1.9	
固化7天后在25℃,50%相对	才湿度下測试		
硬度	Shore A	29	
极限抗张强度	MPa	1.8	
极限延伸率	5	400	
温度稳定性	1C	-40 至 +150	
可选颜色: 透明、银灰色、	黑色、白色及古铜色		

注: · 密封放的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下, 密封胶的固化会快一点,数低的温度和湿度下,密封胶会固保积慢一些。 由于各地市场要求的不同,有些能可能使没有库存,请联络追康宁公司,以了解可 提供的颜色及从订货至交货所需的时间。





#### 既述

道康宁<sup>8</sup> 硅酮玻璃与金属密封胶是一种高性能中性固化的硅酮密封胶,设计用于广泛的楼房 玻璃装配及耐候性用途,如玻璃及窗框接缝的 密封、住宅及工业用途的框架、板片、室内外 间隔及店面厨窗的装饰等。固化后,将与大多 数建筑材料间形成防水密封层。

#### 典型物理性能

道康宁®

用于规格制订。

NP中性硅酮密封胶

道康宁<sup>®</sup> Neutral Plus中性硅酮胶密封胶是一种多用途、中性固化、物有所值的硅酮密封胶。适用于普通的密封,装配,防水和五金类应用并提供长期耐用性。不会腐蚀混凝土、砖石和

至规范制定者: 以下数据仅供参考, 不得直接

至规范制定者:以下数据仅供参考,不得直接 用于规格制订。

属性	单位	数值		
供应品在25℃,50%相对	湿度下测试	•		
		半透明	其它颜色	
流淌,下垂或垂流	m	<2	<2	
表干时间*	分钟	17	12	
深度固化*	毫米深/1天	2. 1	1.8	
固化7天后在25℃,50%	相对湿度下测试	•		
		半透明	其它颜色	
硬度	Shore A	21	38	
极限抗张强度	MPa	1.5	1.2	
极限延伸率	5	400	450	
温度稳定性	°C	-40 至 +150	-40 至 +150	
可选颜色: 半透明、灰色	色、黑色及白色。			

E: 被封股的固化率和工作时间会随温度和湿度的变化而变化。高的温度和湿度下, 密封股的固化企快一点,较低的温度和湿度下,密封股份组化得慢一吃。 由于各地市场要求的不同,有些颜色可能没有库存,请取绕道康宁公司,以了解可 提供颜能及从以贯至交货所能的时间。



#### 概述

道康宁®中性防霉硅酮密封胶是一种高性能的中性固化硅酮密封胶,提供在高温和高湿的环境下耐久的防霉性。

#### 适用材料

 淋浴房
 浴缸

 台盘
 坐便器

 厨房设备

### 典型物理性能

DOW CORNING

Double-N Glass & Metal Sealant

NEUTRAL CURE

中性固化

至规范制定者: 以下数据仅供参考,不得直接 用于规格制订。

属性	单位	数值	
供应品在25°C,50%相对省	度下測试		
流淌,下垂或垂流	mm	<2	
表干时间*	分钟	18	
深度固化*	毫米深/1天	1.8	
固化7天后在25℃,50%相	对湿度下测试		
硬度	Shore A	16	
极限抗张强度	MPa	1.1	
温度稳定性	°C	-40 至 +150	
极限延伸率	5	500	
可选颜色: 半透明、白色			

DOW CORNING

**國房和卫治** 





# 道康宁<sup>®</sup> GP有机硅密封胶

### 概述

道康宁\*GP有机硅胶密封胶是一种有效的低成本、一般综合用途、酸性固化,在一般综为及蒙性应用中提供长久的耐用性,其可用于装配、密封及接口填充,如:窗户、天窗、招牌、室内/室外固定装置及装配、门等等。

### 典型物理性能

至规范制定者:以下数据仅供参考,不得直接 用于规格制订。

属性	单位	数值	Т
供应品在25℃,50%相对省	度下測试		
流淌,下垂或垂流	m	<2	
表干时间*	分钟	11	
深度固化*	毫米深/1天	1.6	
固化7天后在25℃,50%相	对湿度下测试		
硬度	Shore A	17	
极限抗张强度	MPa	1.4	
极限延伸率	%	550	
温度稳定性	°C	-40 至 +150	
可选颜色: 透明、白色、	古铜、黑色、银灰色。	•	

注:

\* 密封效的别化率和工作时间会验温度和湿度的变化而变化、高的温度和湿度下。 密封效的别化合体一点、较低的温度和湿度下,密封效会别化得度一些。 由于各地的原发系的不同,在空概也能没有环存,请联络道理学公司,以了解可 提供的微度及从19毫定发展所前的时间。 如则建筑级的结构推对数、访问道康宁皆商。





# 道康宁<sup>®</sup> 好适中性硅酮密封胶

### 概述

道康宁<sup>8</sup>好适中性硅酮密封胶是一种用于门窗 安装和密封的,高性价比的中性硅酮密封胶。 用于钢门窗的安装和密封以及一般建材的密 封。

### 典型物理性能

至规范制定者:以下数据仅供参考,不得直接 用于规格制订。

属性	単位	数值		
供应品在25℃,50%相对	湿度下測试	-		
		半透明	其它颜色	
流淌,下垂或垂流	m	<2	<2	
表干时间*	分钟	24	15	
深度固化*	毫米深/1天	2.0	1.9	
固化7天后在25℃,50%	目对湿度下测试		•	
		半透明	其它颜色	
硬度	Shore A	13	34	
极限抗张强度	MPa	1.0	1.3	
极限延伸率	%	500	450	
温度稳定性	°C	-40 至 +150	-40 至 +150	
可选颜色: 半透明、黑色	色、白色和灰色。		•	

注:
\*\*新教院的图化率和工作时间会婚遗传和提供的变化而变化、高的温度和温度下。 \*\*新教院的图化会性一点、较低的温度和温度下,密封教会图化有限一些。 由于各通电场要求的不同。有些感色可能使有坏者,请联络追蒙了公司。以了解可 提供的物位及从时复杂全发所需的时间。







Page No.: 1/7 Last Revision Date: 2013/05/09

Version No.: GHS 2.1

### DOW CORNING(R) GLASS SEALANT WHITE

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product Name: DOW CORNING(R) GLASS SEALANT WHITE

**1.2 Product Code:** 04074120

1.3 Chemical Classification: Silicone Sealant

1.4 Recommended Product Usage

Sealant

and Limited Use: Company Details

1.5

Manufacturer/Supplier: Dow Corning (China) Holding Company Limited

Address: 1077 Zhangheng Road, Zhangjiang Hi-Tech Park, Shanghai, P.R.C, Postal Code:

201203

**Telephone Number:** (86 21) 38995200 ext. 2 **Fax Number:** (86 21) 50796571

**Email Address:** asia.tech@xiameter.com **Emergency Telephone Number:** (86 512) 56732049

**1.6 First Issuing Date:** 2010/01/18

### 2. HAZARD IDENTIFICATION

**2.1 Hazard Classification:** Skin corrosion/irritation: Category 3

2.2 Label Elements Including Precautionary Statements

Symbol: None.

**Signal Word:** Warning

**Hazard Risk Statement:** Causes mild skin irritation.

**Precautionary Statement:** Avoid contact with skin and eyes.

Use only outdoors or in a well-ventilated area.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.

**2.3 Other Hazard:** None known.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixture

3.2 Hazardous Ingredients

Chemical NameCAS No.% (w/w)Hydrotreated middle petroleum distillates64742-46-7<10</td>Ethyltriacetoxysilane17689-77-9<1</td>Octamethylcyclotetrasiloxane556-67-2<1</td>



Page No.: 2/7 Last Revision Date: 2013/05/09

Version No.: GHS 2.1

### DOW CORNING(R) GLASS SEALANT WHITE

Methyltriacetoxysilane 4253-34-3 <1

### 4. FIRST AID MEASURES

4.1 First Aid Measures

> Eyes: Immediately flush with water for 15 minutes.

Skin: Wash off with soap and water.

Remove to fresh air. **Inhalation:** Oral: Get medical attention.

**Comments:** Treat according to person's condition and specifics of exposure.

4.2 **Important Symptoms and** 

**Hazard Effects:** 

May cause skin irritation.

Personal Protection for First Aid or Rescue Personnel 4.3

> **Respiratory Protection:** Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

**Eye Protection:** Use full face respirator.

**Skin Protection:** Washing at mealtime and end of shift is adequate.

4.4 Note to physicians: Treat symptomatically. For further information, the Medical Practitioner should refer to

the phone number in Section 1.

### 5. FIRE-FIGHTING MEASURES

5.1 **Suitable Extinguishing** On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide

(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

5.2 **Unsuitable Extinguishing** None established.

Media:

Fighters:

Media:

5.3 **Specific Hazards:** None.

5.4 **Special Fire Fighting** Determine the need to evacuate or isolate the area according to your local emergency **Procedures:** 

plan. Use water spray to keep fire exposed containers cool.

5.5 Self-contained breathing apparatus and protective clothing should be worn in fighting **Special protective** 

large fires involving chemicals. equipment for the Fire

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal Precautions:** Avoid skin and eye contact. Do not breathe vapour. Do not take internally.

6.2 **Environmental** Do not allow large quantities to enter drains or surface waters.

**Precautions:** 

6.3 Methods for Cleaning up: Observe all personal protective equipment recommendations described in this MSDS. If



Page No.: 3/7 Last Revision Date: 2013/05/09 Version No.: GHS 2.1

### DOW CORNING(R) GLASS SEALANT WHITE

diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

### 7. HANDLING AND STORAGE

7.1 Handling Precautions: Use with adequate ventilation. Avoid skin and eye contact. Do not breathe vapour. Do

not take internally. Exercise good industrial hygiene practice. Wash after handling,

especially before eating, drinking or smoking.

**7.2 Storage Conditions:** Use reasonable care and store away from oxidizing materials.

7.3 Unsuitable Packaging

**Materials:** 

None established.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Industrial Hygiene Standards:

 Ingredients
 CAS No.
 Exposure Limits

 Hydrotreated middle petroleum
 64742-46-7
 OSHA PEL (final rule) and ACGIH TLV for oil mists: TWA 5 mg/m3.

distillates

17689-77-9 See acetic acid comments.

Octamethylcyclotetrasiloxane 556-67-2 Dow Corning guide: TWA 10 ppm.

Methyltriacetoxysilane 4253-34-3 See acetic acid comments.

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

8.2 Engineering Controls

Ethyltriacetoxysilane

Local Ventilation:Recommended.General Ventilation:Recommended.

### 8.3 Personal Protective Equipment for Routine Handling

**Respiratory protection:** Suitable respiratory protection should be worn if the product is used in large quantities,

confined spaces or in other circumstances where the OEL may be approached or

exceeded.

Suitable Respirator: Organic Vapor/Acid Gas Type.

**Eye protection:** Use proper protection - safety glasses as a minimum.

**Hand protection:** Chemical protective gloves should be worn where repeated or prolonged contact can

occur.

**Skin protection:** Washing at mealtime and end of shift is adequate.

**Hygiene Measures:** Exercise good industrial hygiene practice. Wash after handling, especially before eating,

drinking or smoking.



Page No.: 4/7 Last Revision Date: 2013/05/09 Version No.: GHS 2.1

### DOW CORNING(R) GLASS SEALANT WHITE

8.4 Personal Protective Equipment for Spills

**Respiratory protection:** Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

**Eye protection:** Use full face respirator.

**Skin protection:** Washing at mealtime and end of shift is adequate.

**Precautionary Measures:** Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Use

reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Physical Form:** Paste

**9.2** Color: White

**9.3** Odor: Acetic acid odor

**9.4 pH:** Not determined.

**9.5 Melting Point:** Not determined.

**9.6 Boiling point/range:** Not determined.

**9.7 Flash Point:** Not applicable.

**9.8 Explosive Limit:** Not determined.

9.9 Vapor Pressure @ 25°C: Not determined.

**9.10** Vapour Density (air=1): Not determined.

**9.11 Specific Gravity:** 1.00 g/cm<sup>3</sup>

**9.12 Water Solubility:** Not determined.

**9.13 Partition Coefficient** Not determined.

(n-Octanol/Water):

**9.14** Autoignition temperature: Not determined.

**9.15 Decomposition** Not determined.

**Temperature:** 

**9.16 Odor Threshold:** Not determined.

**9.17 Evaporation Rate:** Not determined.

9.18 Flammability (Solid, Gas): Not applicable.

The above information is not intended for use in preparing product specifications.

### 10. STABILITY AND REACTIVITY

**10.1 Stability:** Stable.



Page No.: 5/7 Last Revision Date: 2013/05/09

Version No.: GHS 2.1

### DOW CORNING(R) GLASS SEALANT WHITE

Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

10.2 Possibility of Hazardous

Hazardous polymerization will not occur.

**Reactions:** 

10.5

**10.3 Conditions to Avoid:** None.

**Hazardous Decomposition** 

**10.4 Materials to Avoid:** Can react with strong oxidising agents.

**Products:** Formaldehyde. Metal oxides.

### 11. TOXICOLOGICAL INFORMATION

**11.1 Route of Exposure:** Skin contact and accidental ingestion.

11.2 Signs and Symptoms of

Methyltriacetoxysilane

Overexposure:

May cause skin irritation.

11.3 Acute Toxicity:

**Chemical Name** CAS No. LD50 (Oral) LD50 (Dermal) LC50 (Inhalation) Hydrotreated middle petroleum 64742-46-7 > 20,000 mg/kg (Rat) > 2,000 mg/kg (Rabbit) distillates Ethyltriacetoxysilane 17689-77-9 380 mg/kg (Rat) Octamethylcyclotetrasiloxane > 4,800 mg/kg (Rat) 556-67-2 > 2.5 ML/KG (Rabbit) 2975 PPM (Rat; 4hr vapor)

1,550 mg/kg (Rat)

**Eyes:** Vapours released during curing may cause eye irritation.

**Skin:** May cause mild irritation.

Ingestion: Low ingestion hazard in normal use.

Inhalation: Vapor may irritate nose and throat.

4253-34-3

11.4 Chronic Toxicity

**Skin:** Repeated or prolonged contact may cause defatting and drying of skin which may result

in skin irritation and dermatitis.

**Ingestion:** Repeated ingestion or swallowing large amounts may injure internally.

**Inhalation:** No known applicable information.

11.5 Other Health Hazard

**Information:** 

No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

### 12. ECOLOGICAL INFORMATION

### 12.1 Aquatic and Terrestrial Ecotoxicity

**Ecotoxicity Effects:** 

Acute: No adverse effects on aquatic organisms are predicted.

Chronic: No adverse effects on aquatic organisms are predicted.



Page No.: 6/7 Last Revision Date: 2013/05/09 Version No.: GHS 2.1

## DOW CORNING(R) GLASS SEALANT WHITE

**Fate and Effects in Waste** 

No adverse effects on bacteria are predicted.

**Water Treatment Plants:** 

12.2 Persistence and Degradability

Water: Solid material, insoluble in water.

12.3 Bioaccumulative Potential

**Bioaccumulation:** No bioaccumulation potential.

12.4 Mobility in Soil: This product is a solid and does not contain significant concentrations of water soluble

constituents that may be leached from the product. It is therefore not likely to present a

danger to terrestrial organisms.

12.5 Additional Environmental

**Information:** 

No specific information is available.

### 13. DISPOSAL CONSIDERATIONS

**13.1 Product Disposal:** Dispose of in accordance with local regulations.

**13.2 Packaging Disposal:** Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

### 14.1 Road and Rail Transport

Not applicable.

### 14.2 <u>Sea Transport (IMDG)</u>

Not subject to IMDG code.

### 14.3 Air Transport (IATA)

Not subject to IATA regulations.

14.4 Special Requirements and None

**Additional Information:** 

### 15. REGULATORY INFORMATION

15.1 Applicable Laws: Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace

General rule for classification and hazard communication of chemicals [GB

13690-2009]

15.2 Chemical Inventories

AICS: All ingredients listed or exempt. **IECSC:** All ingredients listed or exempt.

**KECL:** All ingredients listed, exempt or notified.

**HSNO:** All ingredients listed or exempt.



Page No.: 7/7 Last Revision Date: 2013/05/09

Version No.: GHS 2.1

# DOW CORNING(R) GLASS SEALANT WHITE

**PICCS:** All ingredients listed or exempt.

EINECS: Not determined.
TSCA: Not determined.
ENCS/ISHL: Not determined.
DSL: Not determined.

### 16. OTHER INFORMATION

**16.1 Contact Point:** Technical Information Center (86 21)38995200 ext. 2

16.2 **Prepared by:** Dow Corning (China) Holding Company Limited

Legend:

No specific information available

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

XIAMETER(R) is a trademark of Dow Corning Corporation

http://www.xiameter.com



# Dow Corning® Sealant Sales Catalogue for Hong Kong Effective on and after 1 January, 2010

According to the AIR POLUTION CONTROL VOLATILE ORGANIC COMPOUNDS (AMENDENT) REGULATION 2009 ("Amendment Regulation") issued by the Hong Kong Government, on and after 1 January 2010, a person is not allowed to manufacture in Hong Kong or import into Hong Kong newly regulated sealants with volatile organic compound (VOC) content exceeding the prescribed maximum limits for local sale and use. For details of the Amendment Regulation you may check the webpage by HK EPD at the following link: http://www.epd.gov.hk/epd/english/environmentinhk/air/prob solutions/voc reg.html#point 8.

Dow Corning continually strives to be one of the most respected companies in the chemical industry for environmental, health, and safety performance. Dow Corning is committed to comply with all relevant laws, regulations, and other applicable requirements.

Dow Corning will continue to serve the Hong Kong market with the below sealants for Professional Building Trades. For the sealants which are not included in the list please consult with Dow Corning for the VOC content before importing into Hong Kong.

### Dow Corning® Sealants for Professional Building Trades

Name of Sealants	Available Color Options	Density	Package Size	Category of Regulated Sealants	VOC Content	Meet the Amendment Regulation (Yes/No)	Exempt Compounds
Dow Corning® Glass & Metal Sealant	Bronze, Black, Light Grey, White	1.38	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
Dow Corning® Glass Sealant	Clear, Aluminum, Bronze, Black, white	1.00-1.01	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
Dow Corning® Neutral Plus Silicone Sealant	Black, Grey, White Ivory	1.35	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS
Dow Corning® GP Silicone Sealant	Clear, Bronze, Light Gray, White, Black, Aluminum	0.95	300ml, Cartridge	Portable Sealant	<4%	Yes	LVP-VOC, VMS

### CONTACT INFORMATION

Dow Cornng Asia

21/F., No. 111 Leighton Road, Causeway Bay, Hong Kong

Tel: +852 28350350

### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

 $Dow\ Corning's\ sole\ warranty\ is\ that\ our\ products\ will\ meet\ the\ sales\ specifications\ in\ effect\ at\ the\ time\ of\ shipment.$ 

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Images: Page 1 - AV11171

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