



**PU FOAM  
SILICONE SEALANT  
MANUFACTURER**



[www.gnsealant.com](http://www.gnsealant.com)

Address: No.122 Fuyuan Rd., Jingjin Technology Valley, Wuqing Dist., Tianjin  
Tel: +86-20-8426 7539  
Fax: +86-20-3439 7230  
E-mail: [enquiry@gnsealant.com](mailto:enquiry@gnsealant.com)



**GUNUO TIANJIN INDUSTRIAL CO., LTD**



**COMPANY INTRODUCTION**

GNS are a group of companies in China, which commits to provide best solutions for sealing, bonding, caulking and insulating by manufacturing spray polyurethane foam, silicone sealant, acrylic sealant, polyurethane adhesive, construction adhesive and so on since 2002.

GNS Group includes three subsidiaries with around 600 staffs.  
 Gunuo Tianjin Industrial Co., Ltd.  
 Foshan Gunuo Silicone Co., Ltd.  
 Guangzhou Global Business Branch

Gunuo Tianjin Industrial Co., Ltd. Mainly produce Polyurethane Foam in Tianjin, with about 200,000 square meters factory area. The annual capacity has achieved 120,000,000 cans in 2017 while the gross quantity of the Chinese market is 300,000,000 cans.

Foshan Gunuo Silicone Co., Ltd. is our sealant manufacturing plant. The factory covers an area of 30,000 square meters. With high-tech and advanced production lines, annual production capability can reach 25,000 tons.

GNS is a well-known brand in China. GNS products have been sold to 69 countries and areas in the world which cover America, Latin America, Europe, Asia, Africa and Australia. And we are the reliable partner for some multi-national companies.

With premium product quality and 17 years of efforts, GNS becomes the market leader in PU foam and silicone sealant industry. GNS has been accredited to ISO9001:2008 and ISO14001:2004. GNS products meet European Standard, British Standard, German Standard, American Standard which are all certified by TUV Rheinland. Besides, GNS is the national approved and recommended manufacturer for structural sealant and weatherproof sealant. From raw material to the finished product, strict QC and QA are always on field to guarantee the reliability of the products.

Choose GNS, a continuous renovation enterprise.  
 Choose GNS, stable quality and professional commitment!  
 Choose GNS, your life long reliable partner.

**Quality Control**

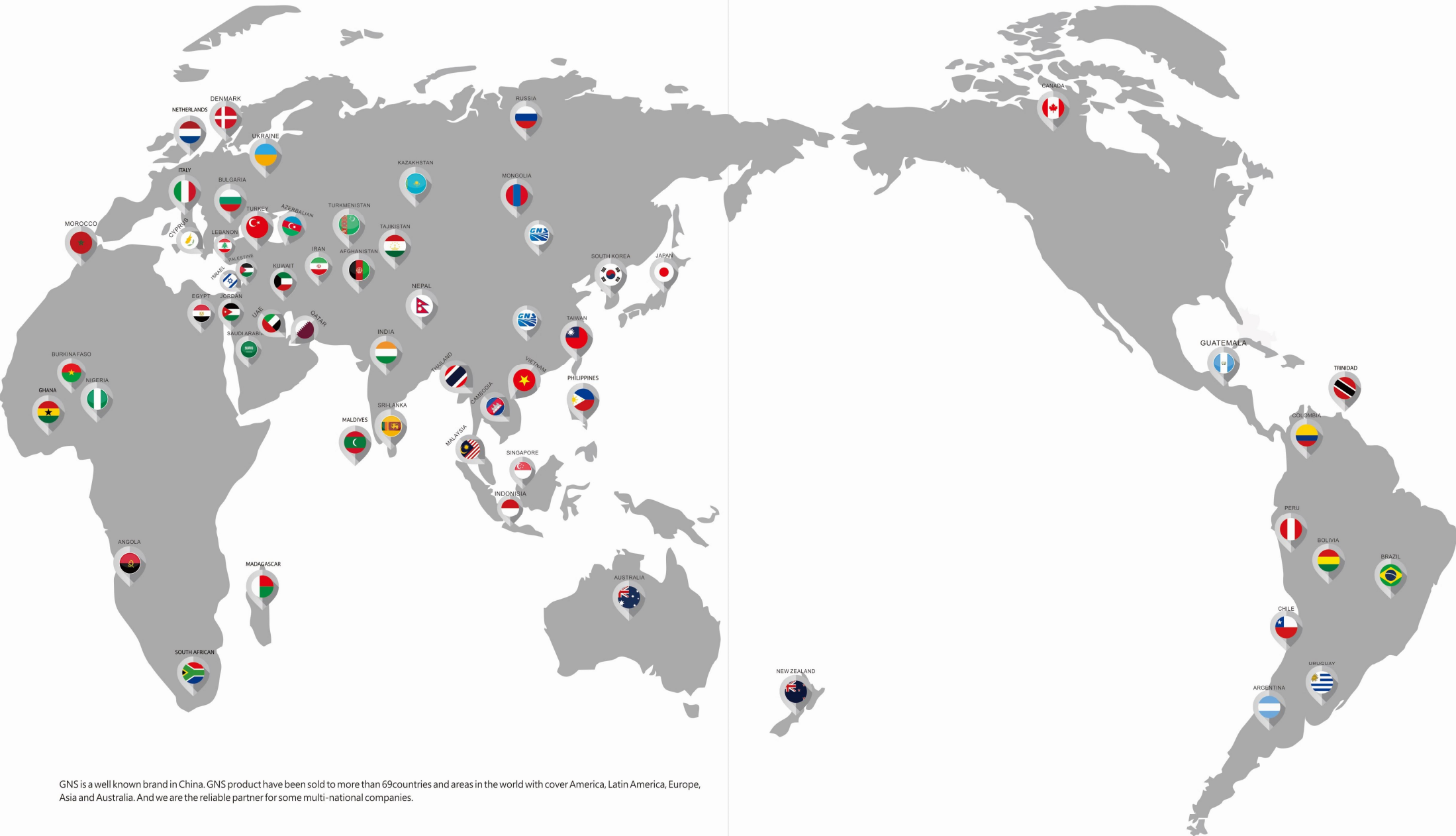


**Company Certifications**



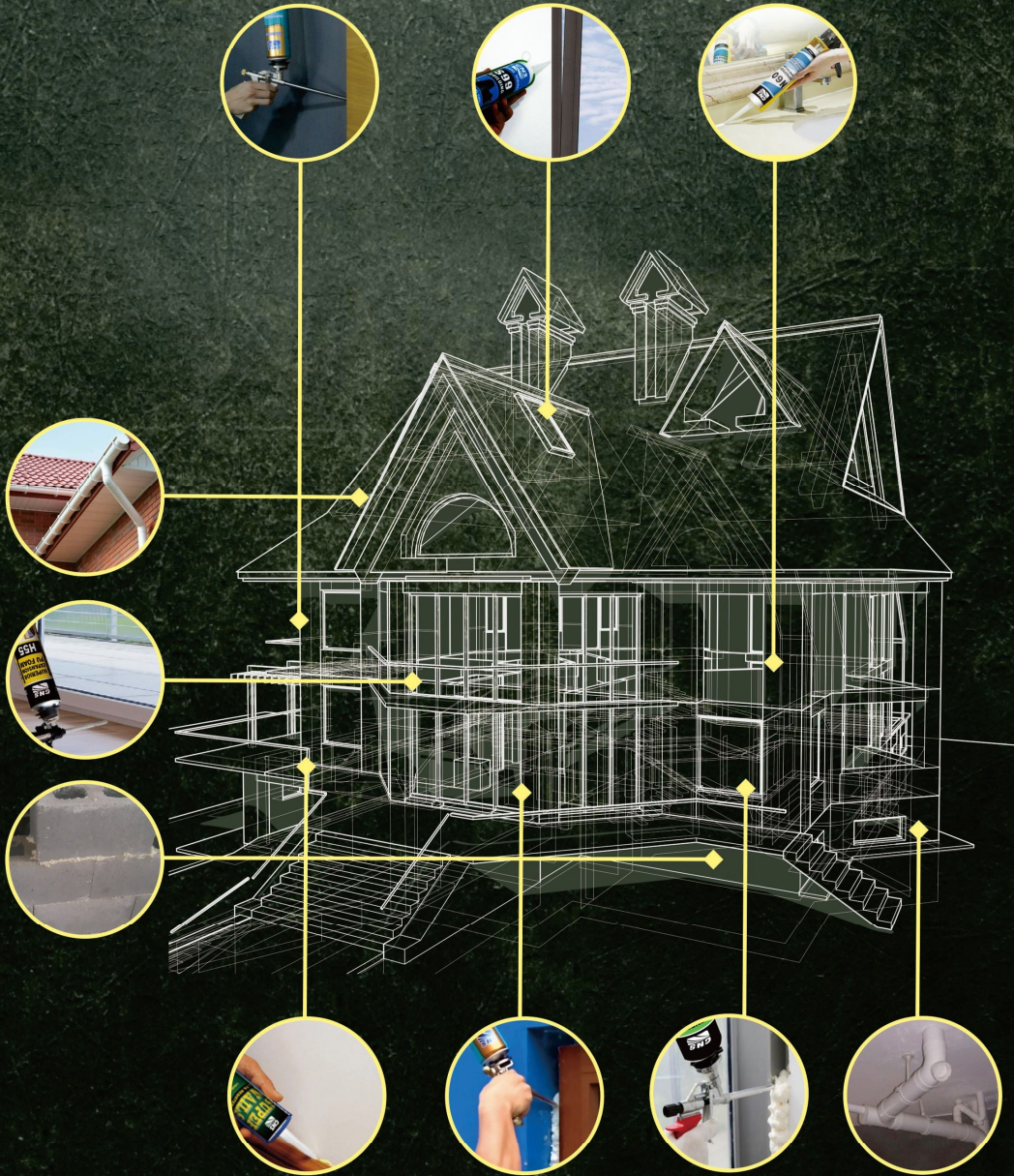
**Products Certifications**





GNS is a well known brand in China. GNS product have been sold to more than 69 countries and areas in the world with cover America, Latin America, Europe, Asia and Australia. And we are the reliable partner for some multi-national companies.









### GNS PROFESSIONAL USE PU FOAM

It is a highest yield PU foam product, which is independently developed by our company. After years of continuous research and development, the formulation is getting more and more mature.

Compared to the same level products in the market, it has the longest running meters, which is generally called highest yield. As the pictures show, it could be 1.5 times more than other brands.

**PRODUCT FEATURES**

- \*28 running meters    \*High Intensity
- \*Pre-Expansion       \*High Elasticity
- \*Small Cell            \*B1 Fire Retardant

**APPLICATION AREA**

- Installing, fixing and insulating of door and window frames
- Filling and sealing of gaps, joint, cracks and cavities
- Insulating the electrical outlets and water pipes
- Heat preservation, cold and sound insulation

**PACKAGING**

750ml/can, 600ml/can, 12pcs/ctn  
Straw type and Gun type

**STORAGE AND SHELF LIFE**

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards

GNS PROFESSIONAL USE PU FOAM			900g G.W./750ML	
Testing Item		Unit	Standard	Actual Value
Density		kg/m <sup>3</sup>	≥10	15.9
Thermal Conductivity		W/(m·k)	≤0.05	0.037
Yield		L	> 30	65
Dimensional Stability	Expansion Orientation	/	≤5%	2.70%
	Landscape Orientation			4.40%
Fire-retardant Class		/	B2	B1
Adhesive Intensity	Aluminum Sheet	Kpa	≥80	178
		Kpa	≥60	110
	PVC Sheet	Kpa	≥80	209
		Kpa	≥60	170
	Cement and Sand-motar Sheet		Kpa	≥60
Shear Strength (Aluminum Sheet)		Kpa	≥80	213



### GNS A99 PU ADHESIVE FOAM

GNS A99 is high innovative one-component and ready-to-use Polyurethane Adhesive foam, an adhesive designed to fix EPS and XPS boards to façade walls, roof and foundations during the external thermal insulation of buildings. The adhesive is compatible with all External Thermal Insulation Systems available on the market used with foamed polystyrene especially. Wide range of adhesion and elasticity gives confidence of strong bonding.

**PRODUCT FEATURES**

Bonding insulation materials (EPS, XPS, PIR, PUR) at External Thermal Insulation Composite Systems  
One can replaces 25kg of powder adhesive for bonding insulation boards to facades, foundations, roofs  
Sealing gaps between insulation boards by tightening insulation envelope prevent to heat escape and thermal bridges formation

**BENEFITS OF A99**

- Easy and convenient application for external insulation from foundations to roof
- Heavy duty bond
- Strong and durable adhesion to foamed polystyrene and other typical construction materials

**APPLICATION AREA**

Best for mounting heat insulation panels and filling voids during adhesive application.  
Advised for wooden type construction materials adhesion to concrete, metal etc.  
Applications needed minimum expansion.  
Mounting and isolation for frames of windows and doors.

**PACKAGING**

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

**STORAGE AND SHELF LIFE**

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards

## CASE SHOW





## GNS B1 FIRE RETARDANT PU FOAM

GNS B1 is a single component, moisture curing, self-expanding, ready to use polyurethane foam with propellants which are completely harmless to ozone layer. It has a fire resistance up to 235 minutes, recommended for sealing applications where fire resistance is required.

### PRODUCT FEATURES

According to EN 1366-4 fire resistance up to 235 mins  
Efficient seal against smoke and gas.  
Excellent adhesion & filling capacity.  
Does not contain CFC's and H-CFC's.  
Conforms to fire class B1 (DIN 4102)

### BENEFITS OF B1

B1 Fire Rating  
High yield – up to 55L  
Stronger surface after cured

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS W33 WINTER FOAM

Highly innovative Polyurethane Foam with high yield and superior foam structure. It is specially designed for application under temperature as low as -18°C and as high as +35°C. Thus, the foam is able to perform excellent both in winter and summer.

### PRODUCT FEATURES

·Good adhesion to a wide variety of surfaces  
·Excellent filling capacities  
·CFC-free propellants and environmentally friendly

### BENEFITS OF W33

Can be applied under temperature as low as -18°C  
Can be applied under temperature as high as +35°C  
Fast cured in low temperature  
Better adhesion and harder

### APPLICATION AREA

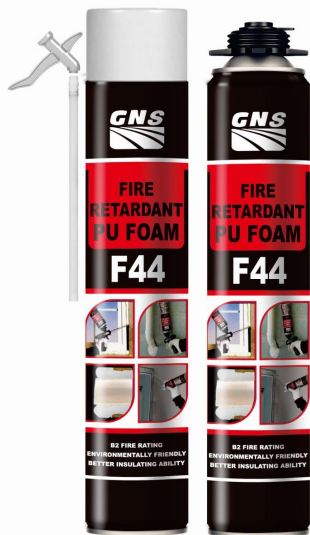
Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS F44 FIRE RETARDANT PU FOAM

High innovative one-component, self-expanding and ready-to-use Polyurethane Foam developed for professional mounting of doors and windows, filling gaps, where fire resistance is required. The product provides excellent seal against smoke and gas. The foam will be extinguished after departing from fire.

### PRODUCT FEATURES

Excellent insulation ability  
Application temperature is between +5°C to +35°C  
Optimal application temperature is between +18°C to +25°C  
CFC-free propellants and environmentally friendly

### BENEFITS OF F44

B2 Fire Rating  
High yield – up to 50L  
Stronger surface after cured

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS A66 SUPER STRONG PU FOAM

Highly innovative one-component, self-expanding and ready-to-use Polyurethane Foam that offers the strongest hardness and high yield on the market. It is designed for professional use in mounting doors and windows. The superior hardness guarantees the strong filling.

### PRODUCT FEATURES

Super strong  
Excellent hardness  
Excellent adhesion  
Easy fixing

### BENEFITS OF A66

Dimension stable after cure  
Stronger surface after cure  
Excellent flexibility

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards





## GNS A11 MULTI-USE PU FOAM

A11 is high quality and excellent performance Polyurethane Foam. It is specially designed for professional usage. It has excellent adhesion, strong adhesion and stability characteristics.

### PRODUCT FEATURES

Excellent filling capacities and sealing ability  
Smooth cell density  
CFC-free propellants and environmentally friendly

### BENEFITS OF A11

High yield – up to 45L  
German quality  
Superior hardness

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS A22 GENERAL PURPOSE PU FOAM

A22 is one-component polyurethane foam designed for general purpose. It is the superior stability foam that shows good anti-shrinkage in high temperature and good elasticity in low temperature. It is a low investing product which has excellent color and density.

### PRODUCT FEATURES

Excellent filling capacities and insulation ability  
Application temperature is between +5°C to +35°C.  
CFC-free propellants and environmentally friendly.

### BENEFITS OF A22

High bonding strength  
High energy efficiency, blocks heat loss  
Superior stability

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS A15 WOODEN & DOORS PU FOAM

A15 is one-component, self expanding, high quality Polyurethane Foam developed for mounting of wooden door frames with special formulation for multiple use which provides easy application and high durability.

### PRODUCT FEATURES

Good adhesion to wooden door frames  
Sealing of all openings in door constructions  
CFC-free propellants and environmentally friendly  
Application temperature is between +5°C to +35°C

### BENEFITS OF A15

Excellent filling capacities  
High thermal & acoustical Insulation  
Stable dimension for filling doors

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS A40 ALL PURPOSE PU FOAM

A40 is one-component, economical and excellent performance Polyurethane Foam. It is fitted with a plastic adaptor head for using with a foam application gun or a straw. The foam will expand and cure by moisture in the air. It is used for wide range of building applications. It is very good for filling and sealing with excellent mounting capacities, high thermal and acoustical insulation.

### PRODUCT FEATURES

Good adhesion to a wide variety of surfaces such as UPVC, masonry, brick, block work, glass, steel, aluminum, timber and other substrates (except PP, PE and Telflon).  
Good filling capacities.  
Application temperature is between +5°C to +35°C.  
Optimal application temperature is between +18°C to +25°C.  
CFC-free propellants and environmentally friendly.

### BENEFITS OF A40

General purpose  
High working speed, lower investment costs  
Environmentally friendly

### APPLICATION AREA

Installing, fixing and insulating of door and window frames  
Filling and sealing of gaps, joint, cracks and cavities  
Insulating the electrical outlets and water pipes  
Heat preservation, cold and sound insulation

### PACKAGING

750ml/can, 500ml/can, 300ml/can. 12pcs/ctn  
Straw type and Gun type

### STORAGE AND SHELF LIFE

12 months in original packing store in temperature between +5°C to +25°C  
Keep in cool, dry place, protected from frost, sparks and flames  
Always keep the can with the valve pointed upwards



## GNS N60 Weatherproof Silicone Sealant

GNS N60 is a one part, neutral cure, high performance weather seal silicone sealant which exhibits outstanding physical properties for projects and general building constructions applications.

### PRODUCT FEATURES

Excellent weatherability, virtually unaffected by sunlight, rain, snow, ozone.  
Excellent unprimed adhesion to a wide variety of construction materials and building components  
Idea for expansion, connection, perimeter and other movement joints  
Neutral cure, suitable for coated glass, galvanized steel, masonry and other porous and non-porous substrates  
Comply with global standard

### TYPICAL USE

Aluminum composite panels cladding, aluminum masonry and glass curtain walls.  
General glazing and weather sealing in curtain walls and building facades.  
Windows & doors perimeter joints. E.g. Vinyl windows, aluminum windows, PVC, UPVC windows etc  
Glass, aluminum, ceramics, metals, steel, fiberglass, most plastic, tiles bricks, marble & granite surfaces and so on.

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS N76 Structural Silicone Sealant

GNS N76 is a one part neutral cure silicone sealant designed specifically for structural bonding applications for glass and metal in factory or field situations. It has excellent weatherability and high resistance to ultraviolet radiation heat and humidity, ozone and temperature extremes.

### PRODUCT FEATURES

High performance structural glazing and weather sealing in one product  
Suitable for all kinds of structural glazing application, curtain wall application  
All temperature runnability, easy tooling  
Comply with global standard

### TYPICAL USE

For structural bonding and protective glazing applications  
Facades & Claddings, EIFS, curtain walls and building construction applications  
Surface like glass, aluminum, ceramics, steel, tiles, concrete, precast panel and other common building materials

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS N95 Glass Panel Sealant

GNS N95 is a single-component, acetoxy cure, professional quality glass sealant, suitable for general glass and panel applications. It has very good weathering resistance durability, sealing and bonding properties. Quick skin time for fast installation work.

### PRODUCT FEATURES

Food grade (FDA)  
Suitable for all kinds of glazing applications  
All temperature runnability, easy tooling  
Comply with global standard  
Cures at room temperature when exposed to moisture in the air

### TYPICAL USE

For Total Vision System (TVS)  
Aquarium, fish tank and general decorative usages  
Skylights, canopies and general glazing  
For butt-joints and corner joints  
For special architectural glazing  
Non-oily wood and some other construction materials  
A primer may be required for optimum

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.





## GNS S77 Neutral Silicone Sealant

S77 is a cost effective multi-purpose, neutral cure silicone sealant offering long term durability in range of general sealing, general glazing, water proofing and other applications.

### PRODUCT FEATURES

One part, can be easily used and extruded with common caulking guns;  
Excellent adhesion to ceramics, steel, concrete, metal; and coated surface;  
Outstanding weatherproofing ability, resisting to ultraviolet ray, ozone snow or temperature extremes;  
No seasonal limited use;  
Non-acidic, will not corrode metal or other corrosion-sensitive material.

### TYPICAL USE

General glazing and weather sealing in curtain wall and building facades  
Sealing leaking gutters and down pipes  
Suitable for sealing Glass, Aluminum, Brick, Concrete, Steel, Ceramic, fiberglass Some Plastic e.g. Windows & Doors, and so on.

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS S88 Glass & Metal Silicone Sealant

S88 is one part neutral cure construction grade silicone sealant that easily extruded in any weather. It cures at room temperature with moisture in the air to produce a durable, flexible silicone rubber seal.

### PRODUCT FEATURES

One part, can be easily used and extruded with common caulking guns  
Excellent adhesion to most construction materials without the primer  
Outstanding weatherproofing ability, resisting to ultraviolet ray, ozone, snow or temperature extremes  
Neutral cure, non-acidic, will not corrode metal or other perishable material

### TYPICAL USE

General glazing and weather sealing in curtain wall and building facades.  
Sealing leaking gutters and down pipes.  
It is Suitable for sealing Glass, Aluminum, Brick, Concrete, Steel, Ceramic, Fiberglass, Some Plastic e.g. Windows & Doors, and so on.

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS S99 Building Silicone Sealant

S99 is a neutral cure, one part, non-mixing required, RTV silicone sealant. Mildew resistance which can be applied in kitchen, bathroom and sanitary wares like shower screens, bath-tubs, sink and so on. General glazing applications for different substrates like glass, ceramic tiles, porcelains, aluminum. Place where higher humidity is encountered. Can be applied in any season with excellent weathering UV light, vibration, moisture, ozone, temperature extremes.

### PRODUCT FEATURES

One part can be easily used and extruded with common caulking guns  
Excellent adhesion to most building materials  
Resistant to mold and mildew growth  
Outstanding weatherproofing ability, resisting to ultra-violet ray, ozone, snow or temperature extremes  
Neutral cure, non-acidic, will not corrode metal or other perishable material

### TYPICAL USE

General glazing and weather sealing in curtain wall and building facades  
EIFS, non-structural curtain walls and building construction applications  
Windows e.g. Vinyl windows, doors and perimeter joints  
Surface like glass, aluminum, ceramics, metals, steel, fiberglass, most plastics, tiles, bricks, marble & granite and so on

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS G11 Acetic Sealant

G11 is a one part, acetoxy silicone sealant. It has very good weather ability, waterproof and good adhesion to most construction materials.

### PRODUCT FEATURES

Acetoxy cure silicone sealant  
Excellent adhesion  
Easy application

### COLOURS

Standard colors: translucent, white, black, gray. Contact us for special colors

### STORAGE AND SHELF LIFE

9 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS G22 General Purpose Sealant

G22 is a cost effective, general purpose acetoxy cure silicone sealant which offers long term durability in a range of general sealing and general glazing applications. It can be used to glaze, seal and fill joints on windows, signs, internal fixtures and fittings like doors and so on.

### PRODUCT FEATURES

Acetoxy room temperature cure  
Outstanding weatherproofing ability, resisting to ultraviolet ray, ozone, snow, or temperature extremes

### COLOURS

Standard colors: translucent, white, black, gray. Contact us for special colors

### STORAGE AND SHELF LIFE

10 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS G33 Anti-fungus Silicone Sealant

G33 is acetoxy cure, one part RTV silicone sealant. Faster cure than normal silicone sealant. Can be applied on glass, ceramics vitreous enamels, shelves, counter cabinets, signs and many other building materials.

### PRODUCT FEATURES

Fast cure: Antifungus  
Can be applied in any season  
Excellent resistance to weathering, UV light, vibration, moisture, ozone, temperature, extremes, airborne pollutants, cleaning detergents and many solvents

### COLOURS

Standard colors: translucent, white, black, gray. Contact us for special colors

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS G44 TVS & Butt Joint Silicone

G44 is one part of high performance silicone sealant with ultimate tensile strength, mechanical properties for curtain wall, Total Vision System (TVS) and architectural applications.

### PRODUCT FEATURES

Cures to a strong, flexible seal capable of withstanding movement in and around the joint;  
Outstanding weatherproofing ability, resisting to ultraviolet ray, ozone, snow, or temperature extremes;

### COLOURS

Standard colors: translucent, white, black, gray. Contact us for special colors

### STORAGE AND SHELF LIFE

12 months from manufacture date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS S5200- Insulating Glass Silicone Sealant

It is a two parts, neutral cure, specially used as a secondary sealant in a dual-sealed insulating glass unit. It has excellent adhesion to glass and metal substrates, such as galvanized steel and aluminum.

### PRODUCT FEATURES

Outstanding adhesion to a wide range of substrates including coated and reflective glass, aluminum and steel spacers and a variety of plastics;  
 Excellent temperature stability -50°C to + 150°C;  
 High level of mechanical properties, high modulus;  
 Fast curing time;  
 Outstanding resistant to ozone and ultra-violet (UV) radiation;  
 Stable viscosity for A & B components, no heating required.

### BENEFITS

Excellent unprimed adhesion to glass  
 Consistently non-slump, permitting automated glazing  
 Excellent usable life stability  
 Adjustable cure rate ranging from 30 to 50 minutes  
 Non-corrosive by-product

### MIXING

To obtain ultimate physical properties, should be thoroughly mixed using an airless mixing system. The mix ratio is 10:1 by volume, 13:1 by weight (at 50% RH at 25°C)

### PACKAGING

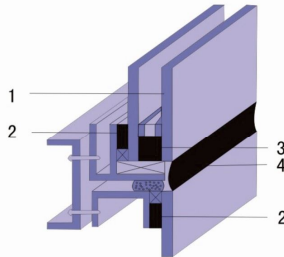
Standard Size  
 Part A-- 190L  
 Part B-- 19L  
 Special Size: Contact us for special size

### COLOURS

Part A - White  
 Part B - Black  
 After Mixing: Black

### SHELF LIFE:

When store in closed, airtight containers at or below 27°C, GNS S5200 Two Parts Insulating Glass Silicone Sealant has a usable life of 12 months from date of manufacture.



**Noted:**  
 1. Insulating glass unit  
 2. Two Parts Structural Sealant  
 3. Insulating Glass silicone sealant  
 4. Weatherproof silicone sealant

Test Parameter	Unit	Result
As Supplied Tested at 23°C and 50%RH		
Specific Gravity	g/ml	1.04
Flow (sag or slump)	mm	<2.5
Snap Time	minute	40~60
Working Time	minute	10~20
As Cured-after 21 days at 23°C and 50%RH		
Durometer Hardness, Shore A	Points	45
Elongation, Ultimate	%	170
Tensile Strength, Ultimate	Mpa (psi)	1.25

## GNS S2200 Two Parts Structural Sealant

It is two parts, room temperature neutral cure silicone sealant. It has high performance specifications making it suitable for secondary seal insulating glazing.

### PRODUCT FEATURES

Structural capability;  
 Outstanding adhesion to a wide range of substrates including coated and reflective glass, aluminum and steel spacers and a variety of plastics;  
 The cured product exhibits excellent weathering characteristics and a high resistance to ultra-violet (UV) radiation heat and humidity;  
 High level of mechanical properties, high modulus  
 Odorless and non-corrosive cure  
 Outstanding resistant to ozone and ultra-violet (UV) radiation

### BENEFITS

Outstanding adhesion to a wide range of substrates including coated and reflective glass, aluminum, steel spacers and a variety of plastics  
 Structural capability as secondary sealant for insulating glass units used in structural glazing  
 Consistently non-slump, permitting automated glazing  
 Excellent usable life stability  
 Adjustable cure rate ranging from 30 to 50 minutes  
 Non-corrosive by-product

### MIXING

To obtain ultimate physical properties, should be thoroughly mixed using an airless mixing system. The mix ratio is 10:1 by volume, 13:1 by weight (at 50% RH at 25°C)

### PACKAGING

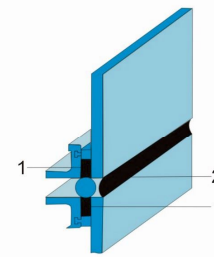
Standard Size  
 Part A-- 190L  
 Part B-- 19L  
 Special Size: Contact us for special size

### COLOURS

Part A - White  
 Part B - Black  
 After Mixing: Black

### SHELF LIFE:

When store in closed, airtight containers at or below 27°C, GNS S2200 Two Parts Insulating Glass Silicone Sealant have a usable life of 12 months from date of manufacture.



**Noted:**  
 1. Two Parts Structural Sealant  
 2. Weatherproof silicone sealant

Test Parameter	Unit	Result
As Supplied Tested at 23°C and 50%RH		
Specific Gravity	g/ml	1.03
Flow (sag or slump)	mm	<2.5
Snap Time	minute	40~60
Working Time	minute	10~20
As Cured-after 21 days at 23°C and 50%RH		
Durometer Hardness, Shore A	Points	40
Elongation, Ultimate	%	450
Tensile Strength, Ultimate	Mpa (psi)	2.5





## GNS Super Nail Adhesive

GNS Super Nail is a premium grade multipurpose construction adhesive that delivers a consistently stronger and lasting bond on most building substrate including wood, particle board, building board, masonry, aluminium, galvanized iron, steel, concrete, marble and granite. The adhesive is a very versatile product which exhibits excellent water resistance, flexibility good temperature resistance and good slump resistance..

### COLOURS AND PACKAGE

300ml, 24pcs/ctn  
Standard colors: Beige  
Contact us for special colors

### STORAGE AND SHELF LIFE

12 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS Liquid Nail

GNS Liquid Nail is a single component, fast curing adhesive. It combines high bond strength with fast curing. It is suitable for using in construction and repair applications where a permanent strong bond is required between porous-porous and porous-nonporous surfaces. It's used to bond almost all common building materials, such as wood, MDF, concrete, metal, polystyrene and polyurethane foam, marble, granite and ceramic etc.

### COLOURS AND PACKAGE

300ml, 24pcs/ctn  
Standard colors: Beige  
Contact us for special colors

### STORAGE AND SHELF LIFE

12 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS G212 Gap Filler

G212 is a water based acrylic joint sealant that is used for caulking, grouting and jointing in building construction. Suitable for using around any joints or gap filling application is required.

### PRODUCT FEATURES

Highly flexible and crack resistant in interior use.  
Waterproof & paintable.  
Superior gunning & tooling ability.  
Non slump, Water based, low odour and non toxic.

### COLOURS AND PACKAGE

White, 460g, 24pcs/ctn

### STORAGE AND SHELF LIFE

12 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS S211 Acrylic Sealant

S211 is an one part, general purpose, water based acrylic sealant that cures to a flexible and tough rubber with good adhesion to porous surface without primer.

### PRODUCT FEATURES

Waterproof & paintable.  
Provide a long lasting flexible seal.  
Excellent adhesion to most construction materials.  
Superior gunning & tooling ability.  
Water based acrylic sealant.

### COLOURS

White, 460g, 24pcs/ctn

### STORAGE AND SHELF LIFE

12 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS PU365 PU Sealant-Automobile

PU365 is a one component polyurethane based elastic polymer, which cures under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials.

### TYPICAL USE

It is specially designed for apply in bonding and sealing in the automobile repair market. Also suitable for sealing the body of train, coach, truck and ship, as well as somewhere like cool room, container or coach panels.

### COLOURS

Black, Grey, White

### STORAGE AND SHELF LIFE

9 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS PU765 PU Sealant-Construction

PU765 is one part room temperature moisture curing polyurethane with high adhesion strength, aging resistant, vibration exhaustion resistant, low temperature resistant and free-corrosive properties, it is excellent for where gap filling requirements are needed.

### TYPICAL USE

It is highly recommended for the bonding and jointing precast panel, wood, aluminium and PVC joinery seams, curtain wall, bakes clay and concrete roof titles in construction area, and other expansion joints in traditional construction.

### COLOURS

Black, Grey, White

### STORAGE AND SHELF LIFE

9 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS H315 High-Temp Silicone sealant

H315 is a one part, acetox cure, high quality silicone sealant which withstands very high temperatures: up to +315°C during permanent work and up to +365°C for temporary contact. It has excellent adhesion properties to most building materials including and engine applications.

### TYPICAL USE

Bonding, sealing, assembling by decantation and protection coverings of parts used high temperature. E.g. Kiln tapes, chimney filters and heating units, Engines, power units, coolers and motors pumps.

### COLOURS

Red. Contact us for special colors

### STORAGE AND SHELF LIFE

12 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.



## GNS C77 PU Foam Cleaner

C77 is a multi functional agent recommended for removing uncured polyurethane foams and adhesives. It can clean the valves and foam gun applicators, remove uncured foam residue and degreasing steel surfaces before application.

### PRODUCT FEATURES

Excellent for removing uncured polyurethane foams and adhesives  
For multi functional use  
Easy to use  
Extended shelf life- 36 months;

### STORAGE AND SHELF LIFE

36 months from manufacturing date when store in cool dry locations below 25°C.  
Keep away from heat source and direct sunlight during storage.

# ENGINEERING CASE



Guizhou Qilong  
CBD



Shenyang North  
Railway Station

Indonesia KFC  
Restaurant



China Minsheng  
Bank



Xi'an Northwest  
Electric Construction



Longemont  
Shopping Mall

Beijing Olympic Park  
Tower



Xi'an Chanba  
Peninsula Garden

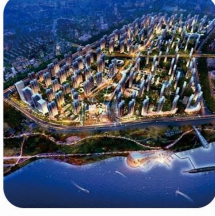


Sede Do Ministerio  
Publico Federal  
Salvador Bahia



Beijing Royal  
Garden

Datong Fuli City



More...



Stable Quality  
Professional Commitment

