



## B2 Class Fire Resistant PU Foam Manual Type

As a professional high quality GNS® B2 Class Fire Resistant PU Foam Manual Type manufacture, you can rest assured to buy B2 Class Fire Resistant PU Foam Manual Type from our factory and we will offer you the best after-sale service and timely delivery. B2 Class Fire Resistant PU Foam Manual Type F44 is an one-component, B2 fire class polyurethane foam. The foam will expand and cure by moisture in the air. It is fitted with a plastic adapted head for use with a foam application straw. Excellent adhesion to the working surface, good filling ability and meet fire safety requirements. Mainly used for installation, fixing and insulation of door and window frames; filling and sealing of gaps, joints, openings and cavities.

The following is the introduction of high quality GNS® B2 Class Fire Resistant PU Foam Manual Type, hoping to help you better understand B2 Class Fire Resistant PU Foam Manual Type. Welcome new and old customers to continue to cooperate with us to create a better future!

### 1.PRODUCT FEATURE OF GNS® B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE

- Excellent 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 Teflon);
- The foam will expand and cure by moisture in the air, strong surface after curing;
- Self-extinguish when the fire leave;
- High thermal and acoustical insulation;
- Conform to fire class B1 (DIN 4102)
- Application temperature between +5℃ to +35℃;
- Optimal application temperature between +18℃ to +30℃;
- Environmentally friendly. It contains CFC-free propellants which are harmless to the ozone layer.



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# B2 FIRE RETARDANT PU FOAM



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# FLAME RETARDANT MATERIAL

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- Good flame retardancy
- with self-extinguishing effect after flaming
- High safety factor



# STABLE FOAM QUALITY

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- Pre-expansion
- Good adhesion
- Smooth cell density
- No shrinkage

# BETTER INSULATION FACTOR

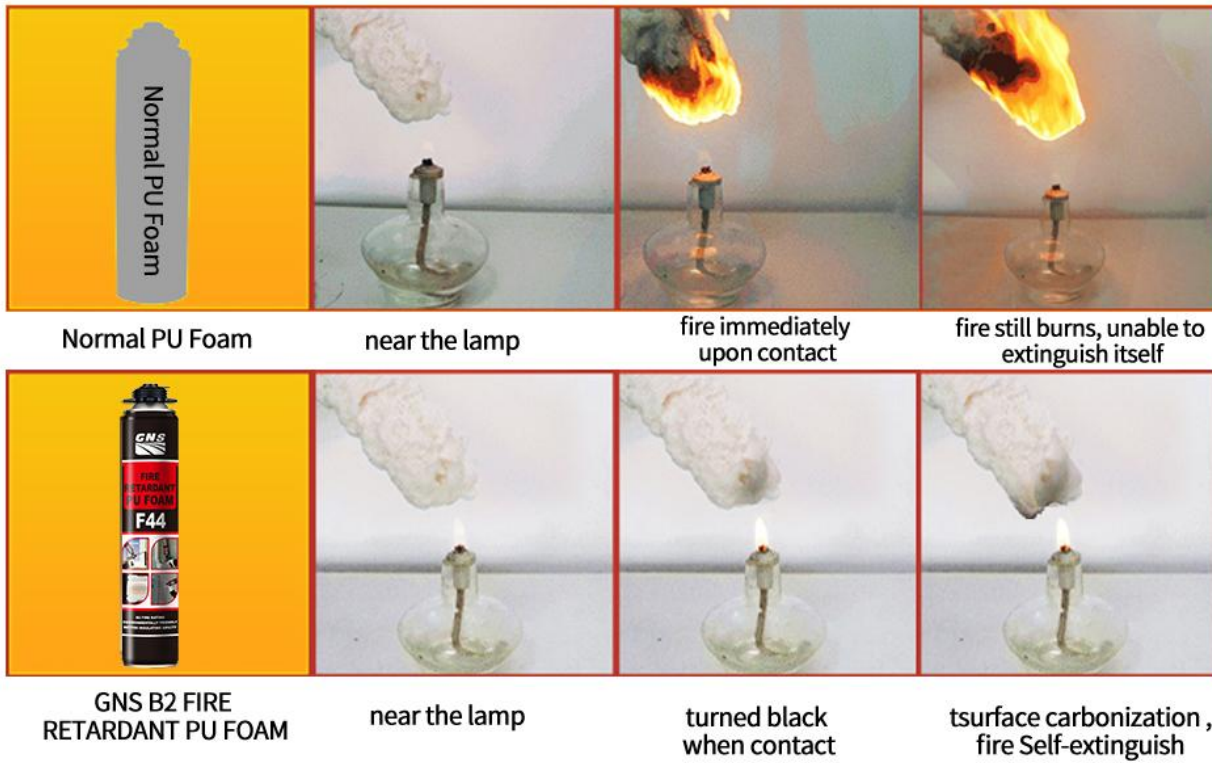
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## Gun Type



## Straw Type



### 2.PERFORMANCE DATA OF GNS® B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE

Base	Polyurethane
Consistency	Stable Foam
Curing System	Moisture-curing
Tack-Free Time (min)	6~8
Drying Time	Dust-free after 11-13 min.

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Cutting Time (min)	40~50
Yield (L)	26
Shrink	None
Cellular Structure	>84% close cells
Specific Gravity (kg/m <sup>3</sup> )	21
Temperature Resistance	-50℃~+80℃
Application Temperature Range	+18℃~+30℃
Colour	White
Fire Class (DIN 4102 )	B2
Insulation Factor (Mw/m.k)	0.039
Compressive Strength (kPa)	150
Tensile Strength (kPa)	210
Adhesive Strength(kPa)	180
Water Absorption (ML)	0.3~8(no epidermis) <0.1(with epidermis)

### **3. APPLICATIONS AREAS OF GNS® B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE**

- Installing, fixing and insulating of door and window frames;
- Filling and sealing of gaps, joint, openings and cavities;
- Connecting of insulation materials and roof construction;
- Bonding and mounting;
- Insulating the electrical outlets and water pipes;
- Heat preservation, cold and sound insulation;
- Packaging purpose, wrap the precious & fragile commodity, shake-proof and anti-pressure.



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# PRODUCT APPLICATION RANGE



Installation of door and window frames



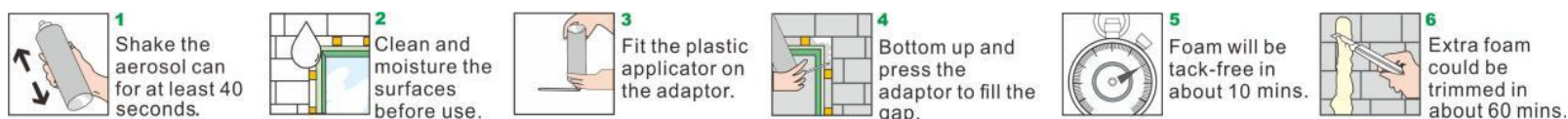
Fill the gap



Door and window fixing



#### 4.APPLICATION INSTRUCTIONS OF B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE



#### 5.STORAGE AND SHELF LIFE OF B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE

12 months in unopened packing store in temperature between +5℃ to +25℃, Keep in cool, shade and well ventilated area. Always keep the can with the valve pointed upwards.

#### 6.PACKING, SHIPPING AND SERVING OF B2 CLASS FIRE RESISTANT PU FOAM MANUAL TYPE

Packing: 750ml 500ml 300ml, 12 cans/carton. (For special specifications, please contact us.)

Shipping: Sea or land transportation

Serving: We provide free design service, and you'll get excellent after-sales service, we committed to solving any problems that may occur when you use our products.





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## OUR FACTORY



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## COMPANY PROFILE

- The biggest PU foam manufacturer in Asia
- 19 years export experience
- Sold to 77 countries and areas
- Equipped with 32 advanced full-automatic production line
- 55% market share in China
- Accredited to all kinds certificates

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## OUR ADVANTAGES



### QUALITY

Provide stable and good quality assurance



### PACKING

750ml 500ml 300ml, 12 cans/carton.  
(For special specifications, please contact us.)



### TRANSPORT

Sea or land transportation



### TECHNOLOGY

Establish a joint laboratory with  
WANHUA & DuPont to create  
products that meet  
customer needs



### COOPERATION

Customer-centric, looking  
forward to cooperating  
with all potential customers



### SERVICE

We provide free design service,  
and you'll get excellent after  
-sales service

## 7.FAQ

Q: What's the impact for the PU foam with a big bubble or uneven cell?

A: Small bubble or smooth cell is a common performance for good quality PU foam. Big bubble foam will cause thermal and sound insulation ability reduce and it may even be water leakage.

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Q: How to clean the spray foam gun?

A: Please use GNS Foam cleaner to remove the fresh foam.

