



B2 Fire Rated PU Expanding Foam Manual Type

You can rest assured to buy customized GNS® B2 Fire Rated PU Expanding Foam Manual Type from us. We look forward to cooperating with you, if you want to know more, you can consult us now, we will reply to you in time!

B2 Fire Rated PU Expanding Foam Manual Type 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.

B2 Fire Rated PU Expanding Foam with 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.

As the professional manufacture, we would like to provide you high quality GNS® B2 Fire Rated PU Expanding Foam Manual Type. And we will offer you the best after-sale service and timely delivery. We wish to be a long-term partner with you.

1.PRODUCT FEATURE OF GNS® B2 FIRE RATED PU EXPANDING 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°C to +35°C;
- Optimal application temperature between +18°C to +30°C;
- 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

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

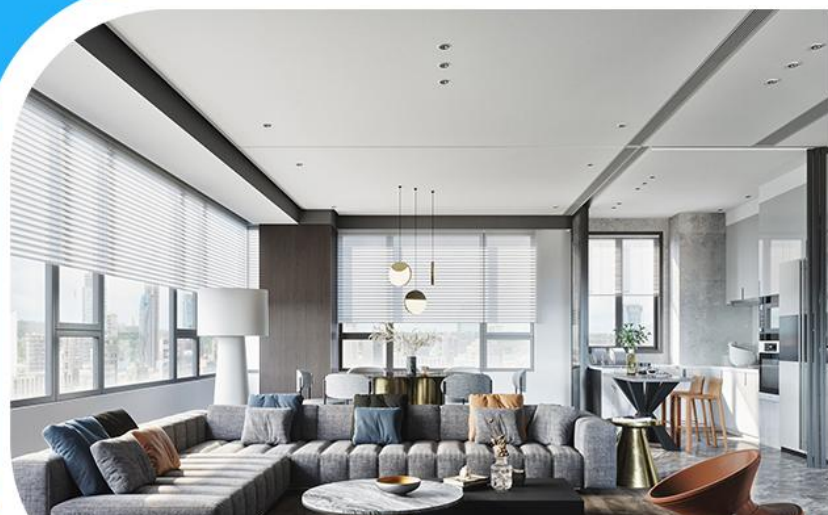


STABLE FOAM QUALITY

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

BETTER INSULATION FACTOR

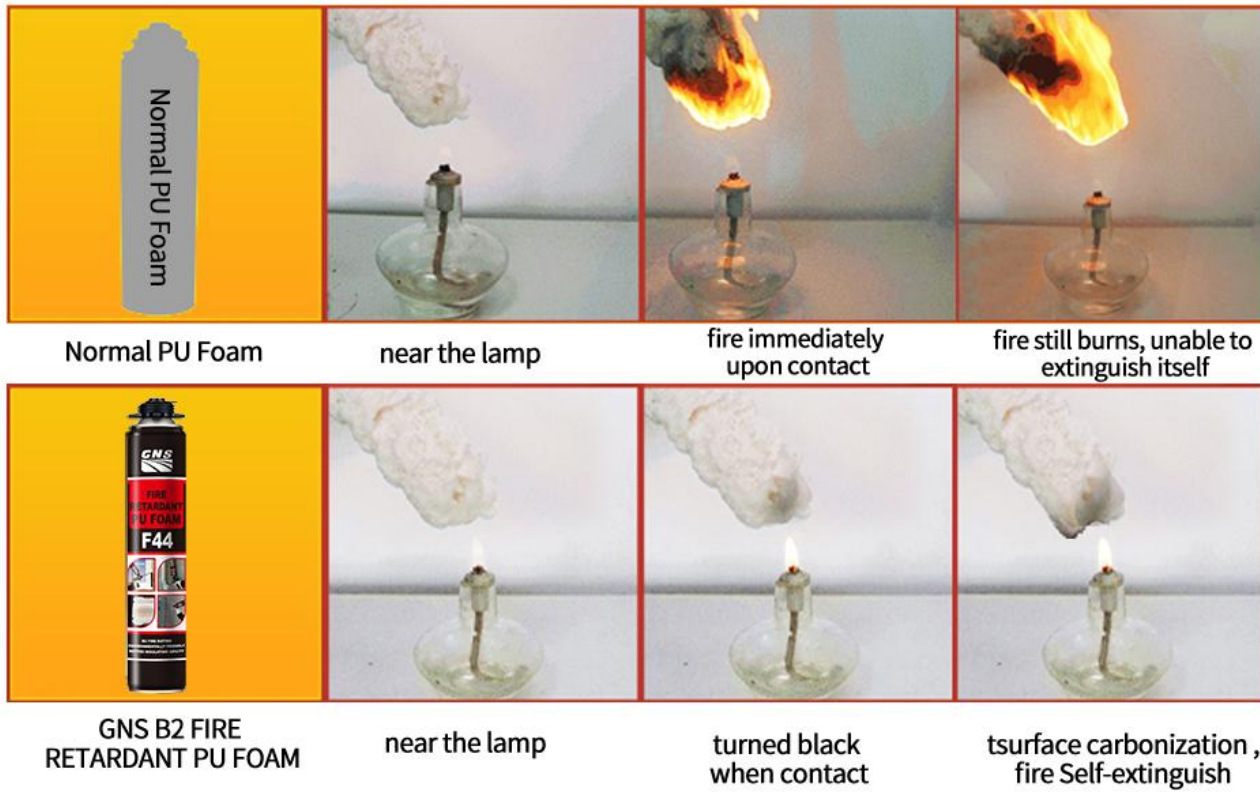
- Cold insulation
- Sound insulation
- Heat preservation





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Gun Type



Straw Type



2.PERFORMANCE DATA OF GNS® B2 FIRE RATED PU EXPANDING 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.
Cutting Time (min)	40~50
Yield (L)	26

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Shrink	None
Cellular Structure	>84% close cells
Specific Gravity (kg/m ³)	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 FIRE RATED PU EXPANDING FOAM MANUAL TYPE

- Installing, fixing and insulating of door and window frames;
- Filling and sealing of gaps, joint and openings;
- 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 FIRE RATED PU EXPANDING FOAM MANUAL TYPE



5.STORAGE AND SHELF LIFE OF B2 FIRE RATED PU EXPANDING FOAM MANUAL TYPE

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

6.PACKING, SHIPPING AND SERVING OF B2 FIRE RATED PU EXPANDING 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?

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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.

Q: How to clean the spray foam gun?

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

