

Spray Double Component Polyurethane Foam for Insulation

PRODUCT DESCRIPTION

JDHT two components spray insulating foam is two-component, low-pressure, spray-applied or pour-in-place polyurethane foam systems were designed for insulating residential, commercial, industrial and agricultural structures. All water flexible foam spray system has the function of thermal insulation, gas resistance, dampproof, hydrophobic and absorb noise and so on. It will create a more quiet, more health and more energy-saving building.



CHARACTERISTICS / ADVANTAGES

- 1 Fine and uniformity cells;
- 2 Low thermal conductivity;
- 3 Good low temperature dimensional stability;
- 4 Perfect flame resistance.

APPLICATIONS

- When polyol and isocyanate (mdi) are mixed together using suitable foam spray equipment, the resulting foam has a homogenous density. Foams which are allowed to cure for a sufficient time between the layers applied have good skin formation and show good adhesion to the sprayed surface. Special care must be taken the sprayed surfaces are not cold or wet. It is mainly used for the insulation of wall&roof and cold room & container.

PACKAGE

- Component A: 220kg/drum; Component B: 250kg/drum. One set: 470 kg=220kg A+250kg B, 2 sets(4 drums) just one pallet. One 20' container loads 40 sets/80 drums/18.8 ton

USES

- It applies to all kinds of thermal insulation engineering which uses the spray technology, such as cold rooms, pots, large-scale pipelines and construction metope etc.

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PHYSICAL PROPERTIES

Appearance	Pale yellow to brown viscous liquid
Hydoxyl Value, mgKOH/g	200-300
Dynamic Viscosity (25°C), mpa.s	100-200
Specific gravity (20 °C) , g/ml	1.12-1.20
Storage Temperature, °C	10-25
Storage Stability, month	6

RECOMMENDED RATIO

Items	pbw
DJD-105 blend polyols	100
Isocyanate	100-105

REACTIVITY CHARACTERISTICS

(The temperature of the system is 20°C, and the exact value varied depending on processing condition)

Cream Time, s	3-5
Gel Time, s	6-10

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FOAM PERFORMANCES

Items	Index	Test Method
Spray Density	≥35kg/m ³	GB 6343
Closed-cell Rate	≥90%	GB 10799
Initial Thermal Conductivity(15°C)	≤24mW/(m.K)	GB 3399
Compressive Strength	≥150kPa	GB/T8813
Adhesive Strength	≥120kPa	GB/T16777
Elongation at break	≥10%	GB/T9641
Dimensional Stability, 24h, -20°C	≤1%	GB/T8811
Dimensional Stability, 24h, 70°C	≤1.5%	GB/T8811
Water Absorption	≤3%	GB 8810
Oxygen Index	≥26	GB 8624