

## Derby PU Foam

Derby Polyurethane Foam is a single component aerosol polyurethane foam that is moisture-expanding and curing. Each aerosol is designed for use with a pipette dispenser. It does not contain any propellant that could damage the ozone layer.

### FEATURES

- Excellent thermal and acoustic insulation value with excellent bonding and filling properties.
- Excellent mounting feature and stability.
- Adherence to almost all construction materials (except surfaces such as polyethylene, silicone, teflon and surfaces where oil, mold release agents and similar materials are contaminated)
- Mold-resistant and waterproof, paintable.
- After drying, the hardening foam can be cut, sanded, painted and plastered.

### APPLICATION AREAS

- Mounting and isolation of door and glass casings.
- Filling and sealing of gaps, large cracks and holes.
- Isolation of electrical installations and hot & cold water pipes.
- As a general purpose filler, adhesive and insulating material.

### USAGE METHOD

Ideal box and ambient temperature during application is +20 ° C. Ambient temperature during application should be between +5 ° C and +30 ° C. Shake the canister thoroughly before use. Place the pipette valve. Use the foam by pressing the valve so the box will be upside down. Dampening of application surfaces and foaming reduces the curing time and increases the bonding strength. The new squeezed foam can be cleaned with Derby Foam Cleaner. The cured foam can only be removed from the mechanical path.

### SHELF LIFE

- 18 months if stored properly.

### IMPORTANT

- Shelf life may be shortened if stored above + 30 ° C and below -5 ° C
- The box must be kept in an upright position during storage and transportation.
- An ideal result should be kept at room temperature for at least 12 hours before application.
- In case of direct exposure to sunlight, the dried foam will yellow. For outdoor applications it should be painted or coated over foam for best results.
- Application at low temperatures reduces foam release and cure time.



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### SAFETY

Diphenylmethane-4,4 Di-isocyanate. Irritating to eyes, respiratory organs and skin. May be harmful when inhaled. It should be used in sufficiently ventilated environments. Use gloves while working. It should be kept away from the ignition substances. The tube is under pressure; direct sunlight and temperatures above 50 ° C. It must be kept absolutely away from children.

<b>Chemical structure</b>	Polyurethane Prepolymer	
<b>Curing Mechanism</b>	Moist curing	(ASTM D1622)
<b>Density</b>	23±2 Kg/cm <sup>3</sup>	(ASTM C1620)
<b>Shell Binding Time (1 cm)</b>	7±2 min	(ASTM C1620)
<b>Interceptability Time (1cm)</b>	20-45 min	
<b>Cure Time</b>	24 hours	
<b>Foam Color</b>	Light Yellow	(ASTM C1536)
<b>Yield</b>	30-45 L	(DIN 4102-1)
<b>Combustion Class</b>	B3	(DIN 52612)
<b>Thermal Conductivity</b>	0,036 W/m.k (at 20°C)	(DIN 53421)
<b>Pressure Resistance</b>	0,03 MPa	(DIN 53428)
<b>Water Absorption</b>	max. 1 vol%	
<b>Temperature resistance</b>	-40°C to +80°C	
<b>Application Temperature</b>	+5°C to +35°C	

### PACKING INFORMATION

Product	Volume	Quantity / Box
PU Spray Foam	600g	16
PU Spray Foam	840g	16
PU Pistol Foam	840g	16

