

**Technical Data Sheet**

Date of issue: 26.04.2021

Revision No: First release

MAY 900

# MAY 900

## POLYURETHANE FOAM

### 1 – DESCRIPTION

**MAY 900 POLYURETHANE FOAM** is a single-component, moisture-curing and self-expanding aerosol polyurethane foam. It is designed for easy dispensing through the straw adapter included with each can. It does not contain any propellant gases that are harmful to the ozone layer.

### 2 – PROPERTIES

- Excellent adhesion & filling capacity and high thermal & acoustical insulation value.
- Good for filling wide gaps with its high expansion rate.
- Economical consumption thanks to precise application.
- High yield up to 45 liters depending on temperature and humidity.
- Conforms to fire class B3 according to DIN 4102-1.
- Mould-proof, water-proof and over paintable.

### 3 – APPLICATION AREAS

- Filling and sealing of especially wider gaps, joints and cavities.
- Fixing and insulating of door and window frames.
- Filling of penetrations in walls.
- Insulating electrical outlets and water pipes.

### 4 – INSTRUCTIONS

- Optimal can temperature is +20°C. Application (ambient) temperature is between -2 °C to +30 °C.
- Shake the can well before use. Screw the adapter on the valve.
- Hold the can upside down and activate the foam by pressing the valve.
- Moisturizing the surfaces and the foam improves adhesion and shortens curing time.

### 5 – STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- UL listed.
- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

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### 6 – RESTRICTIONS

- Storage above +25 °C and below +5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.

### 7 – SAFETY

- Contains Diphenylmethane-4, 4'-Diisocyanate.
- Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapour.
- Wear suitable protective clothing and gloves. Use only in well-ventilated areas.
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C.
- Do not pierce or burn, even after use.
- Keep away from sources of ignition, no smoking.
- Keep out of the reach of children.

### 8 – STORAGE AND SHELF LIFE

- 15 months if stored properly.

### 9 – TECHNICAL PROPERTIES

<b>Basis</b>	: Polyurethane Prepolymer	
<b>Curing System</b>	: Moisture cure	
<b>Specific Gravity</b>	: 22±3 Kg/m <sup>3</sup>	(ASTM D1622)
<b>Tack-Free Time (1 cm width)</b>	: 7±3 min	(ASTM C1620)
<b>Cutting Time (1cm width)</b>	: 30-45 min	(ASTM C1620)
<b>Cure-Time</b>	: 24 hours	
<b>Foam Colour</b>	: Light yellow	
<b>Yield</b>	: 30-45 L	(ASTM C1536)
<b>Fire Class of the Cured Foam</b>	: B3	(DIN 4102-1)
<b>Thermal Conductivity</b>	: 0,036 W/m.k (at 20°C)	(DIN 52612)
<b>Compression Strength</b>	: 0,03 MPa	(DIN 53421)
<b>Tensile strength</b>	: 0.08 MPa	(ISO1926-79)
<b>Dimensional stability</b>	: ±10%	(ISO2796/86)
<b>Water penetration</b>	: 0	(ISO2896-87)
<b>Water Absorption</b>	: max. 1 vol%	(DIN 53428)
<b>Can Temperature</b>	: min.5°C max. +30°C	
<b>Temperature Resistance</b>	: -40°C to +80°C	
<b>Application Temperature</b>	: -2°C to +30°C	

The results were obtained by providing optimum environmental conditions.

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**10 – PACKAGING**

Product	Contains	Package
MAY 900 PU Foam	600gr	16pcs
MAY 900 PU Foam	750ml	16pcs

This technical data sheet replaces all previous editions. All advices, figures and safety directives in this document are based on our careful research and last laboratory reports. Although, the document was compiled with the greatest care, because of a wide variety of different substrates and applications and possible different processing conditions **YOLDAS ENDUSTRI** does not accept responsibility for obtained results. Users need to ensure that the product is suitable for their application before use. Our general sales conditions apply. **YOLDAS ENDUSTRI** reserves all rights to modify the products without prior notice.



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