

TECHNICAL DATA SHEET

MULTIPURPOSE UNIVERSAL PU FOAM

1. PROPERTIES

Swisstek Multipurpose Universal PU Foam is a single-component, moisture-curing, and self-expanding aerosol polyurethane foam. It is engineered for easy dispensing through the included straw gun. This product is CFC and HCFC-free, making it safe for the ozone layer.

2. PROPERTIES:



- **Triple Expanding Foam:**
300% expansion.
- **High Adhesion:**
Excellent filling capacity with superior thermal and acoustical insulation.
- **Versatile Compatibility:**
Adheres to most building materials except polyethylene, Teflon, silicone, and surfaces contaminated with oils, greases, and mold release agents.
- **Quick Drying:**
Cures quickly in moisture and features a closed-cell structure resistant to water absorption.
- **Rigid Structure:**
Once cured, the foam can be trimmed, shaped, and sanded.
- **Efficient Sealing:**
Ideal for sealing high volume low moment gaps.
- **Ozone Safe:**
No harmful propellant gases included.

3. APPLICATIONS:

- **Gap Filling:** Sealing gaps, joints, and cavities.
- **Frame Fixing:** Insulating and fixing door and window frames.
- **Wall Penetrations:** Filling openings in walls.
- **Electrical Insulation:** Insulating electrical outlets and water pipes

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4. TECHNICAL PROPERTIES:

PROPERTY	UNIT	SPECIFICATION
Curing System		Moisture cure
Tack Free Time	Minutes	15 Max.
Cutting Time	Minutes	55-60
Complete Curing	Hours	24
Foam Color	-	Light yellow
Density	Kg/m ³	14 - 30
Fire Class of Cured Foam		B3
Adhesion Strength	kPa	PVC to PVC 130, Aluminum 125

PROPERTY	UNIT	SPECIFICATION
Elongation at Break	%	8-16
Compression Strength	kPa	35-50 at 10% compression
Water Absorption	%	Max. 1 volume
Thermal Conductivity	35°C	<0.040
Yield per 100ml	Liters	4 to 5
Can Temperature	°C	Min. +5, Max. +30
Application Temperature	°C	+10 to +35
Temperature Resistance	°C	-30 to +150 when cured

5. INSTRUCTIONS:

- **Optimal Can Temperature:** Maintain at +20 °C.
- **Application Temperature:** Between +10 °C to +35 °C.
- **Preparation:** Shake well before use. Moisturizing surfaces and foam enhances adhesion and reduces curing time.
- **Application Technique:** Hold can upside down and activate foam by pressing the valve. Fill vertical joints from the bottom up to prevent drops due to gravity.
- **Cleanup:** Fresh foam can be cleaned with acetone. Once cured, use a knife to smooth the foam and treat surfaces with cement, paint, or silicone.

6. STORAGE GUIDELINES:

- Avoid storage above +25 °C and below 5 °C to prevent shortening of shelf life.
- Store and transport in a vertical position.
- Keep at room temperature for a minimum of 12 hours before application.
- Cured foam may discolor when exposed to UV light; it is recommended to paint or coat for outdoor applications.

7. SHELF LIFE:

- **Duration:** 12 months when stored at 20 °C / 50% relative humidity, away from direct sunlight.

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8. SAFETY PRECAUTIONS:

- Contains Diphenylmethane-4,4'-Diisocyanate. Harmful by inhalation and irritating to eyes, respiratory system, and skin
- **Recommended Safety Measures:** Wear suitable protective clothing and gloves. Ensure adequate ventilation. Keep away from sunlight and temperatures exceeding 50 °C. Do not pierce or burn, even after use. Store out of reach of children.

9. FILLING JOINT CONFIGURATION:

Gap Width	Gap Depth	Joint Type
10 mm	100-200 mm	Full Depth
15 mm	100-200 mm	Full Depth
20 mm	100-200 mm	Full Depth
25 mm	100-200 mm	Full Depth
30 mm	100-200 mm	Full Depth
35 mm	100-200 mm	Full Depth
40 mm	100-200 mm	Full Depth

Disclaimer: The information provided is accurate to the best of our knowledge, based on reliable tests and practical experiences. Properties quoted are intended as a guide and do not constitute a specification. It is advisable to test any application thoroughly to ensure the product meets the required performance standards.

10. MARKETING AND DISTRIBUTED BY

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