RPS-PVC Hand Held Polyurethane Foam for PVC

Super low-pressure (with "low-expansion" formula), one-component polyurethane foam with delivery tube.

Product information

Applications

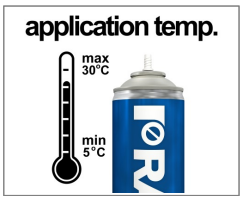
- Fixing pipes and cables in HVAC systems
- The application of PU foam: installation of windows and doors, filling, sealing, insulation in the construction industry
- Installation of windows and door
- Easy fixing of door and window frames - timber, metal or PVC
- Fixing (for installation of doors and windows)
- Precise filling and sealing in the wide range of sizes gaps
- Thermal insulation of plumbing and central heating
- Installation & sealing of window sills
- Thermal insulation of roofing (including flat roofs)
- Filling gaps in the thermal insulation of buildings
- Filling frame structures

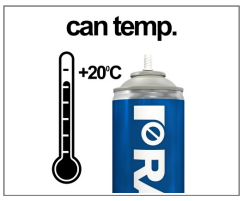
Features and benefits

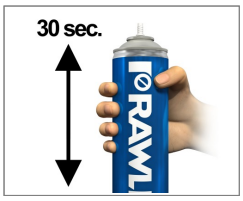
- Low Expansion formulation (low growth) enables applications to narrow gaps, guarantees high yield (no wastes) and eliminates the risk of frame deformation
- Low-pressure formulation eliminates risk of frames deformation and ensures proper gaps filling
- Ideal for mounting, sealing and soundproofing, particularly for PVC profiles susceptible to deformation.
- Excellent sound and thermal insulation properties.
- Cutting time 40 min after apllication
- Excellent adhesion to most materials and substrates used in construction.
- Resistant to mould and fungi.

Base materials

Installation guide







1. Wear protective gloves. Ensure surfaces are free from dust, dirt or debris.
2. Before using, make sure that the can temperature is above zero (optimum +20°C). Application temperature from +5°C up to +30°C.
3. Shake can vigorously for 30 seconds to mix properly components.
4. Screw straw-applicator onto the can. Hold can upside-down during application.
5. Moisten surfaces with water prior to application.
6. Fill gaps from down to up, zigzag motion, alternating from one wall to the other. Fill gaps to approximately 60 % volume. Max. wide of the gap 5 cm. Gaps wider than 5 cm should be applied after hardening of the previous layer. Each layer should be moistened with water using a spray.
7. After full curing, cut the excess foam with a knife and protect it from UV exposure by coating with plaster, paint, acrylic or silicone.

Technical Data

Parameter		Value	Methods
Application temperature	[°C]	+5 ÷ +30	
Can temperature	[°C]	+20	
Efficiency	[dm³]	max. 45	
Colour	-	Light yellow	
Post-expansion	[%]	130	
Skin formation time	[min]	5 ÷ 12	20°C, RH 90%
Pretreatment time	[min]	45	20°C, RH 90%
Complete hardening time	[h]	24	
Fire resistance class	-	B3	DIN 4102
Density	[kg/m³]	19 ± 10	PN-EN ISO 845:2000
Dimensional stability	[%]	≤3	40°C, RH 95%, 24 hrs
Water absorption after 24h	[kg/m³]	≤1	PN-EN 1609:1999
Tensile strength	[kPa]	≥ 100	PN-EN 1607:1999
Compressive strength	[kPa]	≥ 40	PN-EN 826:1998
Thermal resistance (upon hardening)	[°C]	-50 ÷ +90	
Thermal conductivity	[W/mK]	0,036	
Preparations solublity	-	Acetone, before hardening	Cleaner RPC-0500
Soundproofing coefficient	[dB]	61	EN 12354-3
Volume	[ml]	750	

Parameter		Value
Shelf life	[month]	18
Storage conditions	-	upright position in an originally closed container
		the storage temperature: from +5°C to +35°C (room temperature is recommended)
		dry, cool and well-ventilated place away from direct sunlight and other sources of heat and ignition
		storing the product in conditions other than recommended may shorten the life time even by 3 months

Product commercial data

Product Code	Colour	Volume [ml]	Quantity [pcs]			Weight [kg]			Bar Codes
			Box	Outer	Pallet	Box	Outer	Pallet	
RPS-PVC	Light yellow	750	12	12	672	10.9	10.9	642.3	5906675284040