R-RPS-500 Hand Held Polyurethane Foam

Universal, 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
- Filling empty spaces, cracks, pipe passages
- Filling gaps in the thermal insulation of buildings
- Thermal insulation of roofs and ceilings
- Thermal insulation of plumbing and central heating
- Thermal insulation of roofing (including flat roofs)
- Filling frame structures
- Filling and insulation during installation of bathtubs and shower cabins

Features and benefits

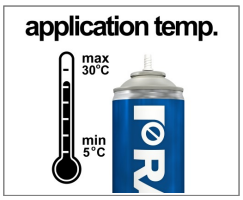
- Ideal for filling, sealing and soundproofing.
- Suitable for use indoors and outdoors.
- Excellent sound and thermal insulation properties.
- Excellent adhesion to most materials and substrates used in construction.
- Recommended for filling empty spaces and wide gaps
- Resistant to mould and fungi.

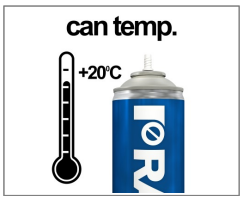
Base materials

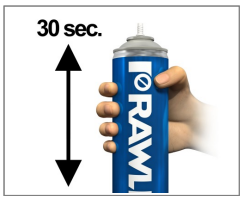
Approved for use in:

- Concrete
- Masonry
- Wood
- Metal Sheet & Profiles
- PVC Profile

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. 30	
Colour	-	Light yellow	
Post-expansion	[%]	180	
Skin formation time	[min]	5 ÷ 10	20°C, RH 90%
Pretreatment time	[min]	60	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]	0,038	
Preparations solublity	-	Acetone, before hardening	Cleaner RPC-0500
Soundproofing coefficient	[dB]	61	EN 12354-3
Volume	[ml]	500	

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	
R-RPS-500	Light yellow	500	12	12	672	7.3	7.3	439.8	5906675163789