PU-P EVO B2

Properties	Values	Unit	Method / Remarks.
Chemical basis	1K low monomer polyurethane foam		
Isocyanate content	< 0,1	%	
Colour	white		
Content	400, 750	ml	
Building material class	B2		DIN 4102-1
Tack free time	20 -25	min	EN 17333-3
Cutting time	95 - 110	min	EN 17333-3
Fully cure	12	h	30 mm strand
Foam Yield (freely foamed) 750 ml	~ 35	l	EN 17333-1
Postexpansion	170 - 220	%	EN 17333-2
Tensile strength	100 - 105	kPa	EN 17333-4, fully cured
Elongation at break	30 - 35	%	EN 17333-4, fully cured
Shear strength	55	kPa	EN 17333-4, uncured
Compressive Strain at 10 % Stress	20 - 25	kPa	EN 17333-4, fully cured
Dimension stability	± 5	%	EN 17333-2, fully cured
Density	~ 19	kg/m^3	EN 17333-1, freely foamd
Stability in the gap	stable		
Shelf life	18	Monate	bei + 10 bis + 20 °C
Application temperature	+5 bis +30	°C	
Ideal application temperature	+20	°C	
Temperature resistance	-40 bis +60	°C	fully cured
Thermal conductivity (λ)	0,035	W/(m*K)	

Water vapor diffusion resistance factor	μ = 41 / SD = 0.9 m		thickness: 21 mm
Evaluated Sound Insulation	64	dB	Gap width 10 mm
Air permeability	No measurable air passage		
Curing system	chemical by reaction with moisture		
Standards	• EMICODE: EC1 plus • VOC Emission class: A+ • German approval of sustainable building (DGNB): quality level 4		

Product desription

fischer PU-P EVO B2 is a one component, low monomer polyurethane foam with a residual free monomer isocyanate content of < 0,1 %. The foam is ideal for filling and insulating joints and cavities, such as small wall recesses, wall openings, cable ducts and for backfilling insulating seals of connection joints on windows and roller shutter boxes. The product can be processed either with the pistol or with the adapter

Application details

This foam adheres to all common building materials except from surfaces such as polyethylene, polypropylene, silicone, Teflon, oil, grease and similar substrates. The cured foam is semi rigid, elastic, damp proof and resistant to rotting and ageing (protect from UV light). Surfaces must be firm, clean, and free of dust and grease.

Before processing, moisten the substrates sufficiently with water. Foam layer thicknesses of more than 50 mm in several layers and moisten in between. Carefully warm cans that are too cold in a lukewarm water bath. Never heat above 50 °C, otherwise there is a risk of bursting. Cool cans that are too hot in a water bath.

Processing of the foam with adapter:
Unscrew the gun ring counter clockwise from the can. Screw the angle adapter onto the valve as far as it will go. **Shake can well before use! (approx. 30 x).** The foam outlet can be precisely regulated by pressing the adapter lever.
After processing, slide the adapter hose into the holder and pull it over the sealing lip. Make sure it is firmly seated. This means that work interruptions of several weeks are possible. To reuse, pull the adapter hose out of the cradle and shake the foam well again (as described above).

Processing of the foam with foam gun:
Observe the operating instructions for the dosing gun. Before screwing the can onto the dosing gun, shake the can well about 30 times. Put the can down and screw the dosing pistol onto the threaded ring of the can. Do not twist or overtighten the thread. In the case of longer interruptions, the shaking must be repeated.

For further safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

The information in this adhesives brochure and our application-technology consulting, verbally and in writing, is given to the best of our knowledge, but is non-binding and is not a guarantee in the sense of § 443 BGB. We recommend that, before using our products, you check the suitability for the intended application. As the individual product can be used for a wide range of applications and the conditions on site that cannot be estimated, we also recommend testing the bonding before using the product.