Fiche technique

goWDVS B1 Klebe-Dämm-Schaum

goWDVS B1 Klebe-Dämm-Schaum is a moisturecuring polyurethane adhesive with excellent adhesive tensile strengths for a quick and safe installation of insulation boards (EPS) for external thermal insulation composite systems (ETICS).



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Description

Product description

goWDVS B1 Klebe-Dämm-Schaum is a moisturecuring polyurethane adhesive with excellent adhesive tensile strengths for a quick and safe installation of insulation boards (EPS) for external thermal insulation composite systems (ETICS). Due to its high yield, large working performances are achieved.

Areas of application

- Bonding insulation panels in thermal insulation composite systems (ETICS)
- Filling and repairing butt joints and voids between insulation boards

Product benefits

- simple, quick and secure bonding of commercially available insulation boards for ETICS
- very good adhesion to a wide variety of conventional substrates
- meets the performance requirements according to ETAG 004 and TR46
- very low emission (GEV EMICODE EC1 Plus)
- French VOC-Emission Class: A+
- Building material class B1 according to DIN 4102-1

Product features

goWDVS B1 Klebe-Dämm-Schaum adheres to all common building materials except polyethylene, silicone, oils and greases, mold release agents or similar substances. The adhesive can be used at surface and ambient temperatures of +5°C to +35°C. Thanks to the physical foaming of the adhesive completely bonding connections are established even on uneven surfaces up to 15 mm layer thickness. Cured adhesive is rotproof, moisture- and temperature-resistant from -40°C to +80°C. It is aging resistant, however not against UV radiation.

Subsoil

Instructions for use

Surface must be firm, clean, dust and grease free. Have the PU-cleaner ready for cleaning and removal of fresh adhesive.
It is recommended to first perform an adhesion and compatibility test on each substrate (sufficient number of adhesive strands / flash-off time / load-bearing capacity of the substrates, etc.).

Instructions for use

Processing temperature

- The ideal working temperature is +20°C.
- Cans that are too cold can be carefully heated in lukewarm water.

Attention: Never heat above +50°C, as the can may burst. Cans that are too hot, such as those left in a car during Summer, can be cooled in cold water, but do not shake! Follow the gun operating instructions. Before connecting with the foam gun, shake the can about 30x. Placing the can on a surface, attach the gun by screwing it onto the threaded collar of the can. Do not tilt or overtorque the can. Repeat the shaking after longer interruptions.

Packaging / consumption

Art.No.	color	container	VE	range
01176	green	750 ml/can	12 cans	624 cans

Application

Apply the adhesive with a strand thickness of approx. Ø 3 cm all around the insulating board, at a distance of approx. 3 cm to the edge. Apply additional strands in the form of a "W" to the inner surface of the insulating board. A minimum of 40% of the adhesive surface area must be guaranteed after bonding.

Wait for a flash-off time of 2 minutes! Then press the insulation board covered with adhesive foam against the wall with slight pressure and float it into the correct position. Attention: open adhesion time including readjustment varies depending on the temperature and humidity and is a maximum of an additional 4 – 6 minutes. If the open adhesive time is exceeded, there is no longer sufficient adhesion to the substrate. Uneven surfaces up to max. 15 mm per meter can be compensated with the foam adhesive. After 2 hours, sufficient adhesion to the surface is achieved for further processing. Any butt joints between the insulating boards can be filled with the foam adhesive. Immediately remove fresh adhesive stains with the PU-cleaner. Caution: the cleaner contains acetone and may damage the insulation board.

Technical data

(measured at +23°C, 50% relative humidity, according to ETAG 004 / TR 46 Test Methods & EN 17333)

Application temperatures[2] (surfaces and ambient)	minimal	+ 0°C
	optimal	+20°C
	maximal	+35°C
Foam colour	green	
Free foamed density (ETAG 004 / TR46 / EN 17333-1.3)	dry	~ 23 kg/m³
Open asdhesion time / readjustability (ETAG 004 / TR 46)	dry	3 - 4 min
Cutting time (EN 17333-3.1.)	dry	~ 20 min
Yield in linear meters (ø 3 cm strand) [1]	750 ml	up to 45 m

Shear strength (ETAG 004 / TR 46 item 4.3)	8 mm ashesive layer thickness	>62 kPa
Adhesive tensile strength (ETAG 004/TR 46 item. 4.1.1)	8 mm ashesive layer thickness	>90 kPa
Adhesive tensile strength (ETAG 004/ TR 46 item 4.1.2.1)	15 mm ashesive layer thickness	>78 kPa
Adhesive tensile strength (ETAG 004 / TR 46 item 4.1.2.3) at +5°C at +35°C / 30% rH	8 mm ashesive layer thickness	~105 kPa ~ 98 kPa
Temperature resistance of a cured adhesive	-40°C to +80°C (short term up to +100°C)	
GEV EMICODE	EC1[PLUS] very low emission	
Fench VOC-Emission Class	A+	
Construction Material Class acoording to DIN 4102 Part 1	B1	

(1)) Proportional relationship between yield and fill capacity is generally not provided. Cans with less/more volume must be considered separately (2) Can temperature min. +5°C and max. +30°C. Optimal application temperature is +20°C, other temperature can lead to other results

General information

The information is provided without guarantee and reflects the current state of chemical and technical development. We reserve the right to make changes and further developments. Due to the enormous number of possible applications, no liability can be accepted for the processing results. Before working with the product, you should carry out your own tests. Please observe the hazard warnings and safety advice on the product as well as the information in the safety data sheet for this item.

Deliver

colour

green

Storage

Storage conditions

The ideal storage temperature for the cans is between +10°C and +20°C. Significantly higher temperatures will reduce the shelf life. The cans should be stored upright and protected from moisture, frost and heat. Never heat the cans – risk of bursting!

Disposal

Empty cans should be disposed of in accordance with national regulations.

Recommendation

Containers that are not completely empty should be handed over to special waste collectors and not disposed of with household waste.

Labelling

Product group

WDVS-Zubehör

Special Notes

The information and data contained in this technical data sheet are intended to ensure normal use and suitability for normal use and are based on our knowledge and experience. However, they do not release the user from the responsibility of checking suitability and use. Applications that are not clearly mentioned in this technical data sheet may only be carried out after consultation. Without approval, they are carried out at your own risk. This applies in particular to combinations with other products. With the publication of a new technical data sheet, all previous technical data sheets lose their validity. The latest version is available on the Internet.

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