TECHNICAL DATA SHEET

Landscaping Adhesive VHP0202/CB

One-component polyurethane foam adhesive B3, universal foam adhesive for various construction works indoors and outdoors. All season PU foam with a great gluing and thermal insulation properties, low curing pressure and low post expansion.

Main benefits

- Great gluing properties,
- Suitable for all season use, from +5 up to + 30 °C
- Low curing pressure and post expansion

Fields of application

Bonds with rock, stone, concrete, wood and most pond materials.
Specially recommended to fill & seal exterior gaps in foundations, retention walls, crawlspaces, pots for securing artificial plants.

Adhering

- Roof tiles
- Polystyrene
- Plasterboards
- OSB, chipboard
- Wood
- Concrete
- Stone
- Metal
- PVC

Application instructions

Application conditions
Air temperature during use: +5 °C to +30 °C, best results at +20 °C. Can temperature during application: +5 °C to +25 °C, best results at +20 °C. Foam can has to be warmed with water or air (max. +30 °C) before starting work in low temperatures.

Surface preparation
Remove dust, loose particles and grease from the surfaces. Moisten dry substrate to ensure better results.

Application method with foam gun:
Shake the can vigorously at least 20 times. Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed at other persons when turning it. The can must not be

screwed to the gun with the valve upside down or by turning the gun on the can. The foam output can be adjusted by the gun trigger.
The foam adheres to rocks, stones, cement, wood and porous or non-porous fabrics. The expanding foam is ideal for replacing loose mortar in rock walls. It can be used to fill cavities. Fill the space no more than a third of the free volume to allow the foam expansion. Avoid overfilling the cavity.
The foam will continue to expand for a few seconds after releasing the trigger. Excess foam can be cut and worked if necessary. Direct sunlight will discolour if it is not painted or covered.

Cleaning
Uncured foam can be removed with acetone, cured foam with mechanical means.

Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	6-10	min
Cutting time (30mm bead, EN 17333-3)	<30	min
Completely cured in joint, 3x5cm (+23 °C)	<8	h
Post expansion (EN 17333-3)	<50	%
Density in joint, 3x10cm (WGM106)	15-19	kg/m^3
Temperature resistance of cured foam	-50…+90	°C
Fire class of cured foam (DIN 4102-1)	B3	
Tensile strength (EN 17333-4, dry surfaces)	78	kPa
Tensile strength (EN 17333-4, moistened surfaces)	98	kPa
Compression strength (EN 17333-4, moistened surfaces)	35	kPa
Shear strength (EN 17333-4, moistened surfaces)	52	kPa
Thermal conductivity (EN 12667, EN 17333-5)	0,033	W/(m·K)
Sound reduction index $R_{st,w}$ (EN ISO 10140)	62	dB
Water vapour permeability (EN 12086)	<0,06	mg/(m·h·Pa)

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Technical classifications and certificates

A+

Colour

Carbon Black

Package

700ml in 1000 ml aerosol can, 12 pcs in a box.

Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5 °C to +30 °C. Do not expose to temperature over +50°C, do not keep near heat sources or in direct sunlight. Store and transport in vertical position.

Limitations

Foam does not adhere to Teflon, polyethylene and silicon surfaces. Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque material.

Safety regulations

Pressurized canister. Use only in well-ventilated areas. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children. See label and safety data sheet (SDS) for more information.

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.
This TDS replaces and supersedes all previous data sheets on the same product.