

CONSTRUCTION

CARBO PUR27

TWO-COMPONENT ADHESIVE BASED ON POLYURETHANE



DESCRIPTION

CARBO PUR27 is a water- and solvent-free two-component adhesive based on polyurethane.

Component A is a polyol filled with mineral substances and added processing aids.

Component B is a polyisocyanate.

After mixing the components, a creamy and easily spreadable adhesive is obtained.



APPLICATION AND USE

CARBO PUR27 is recommended for laying rubber and PVC floor covering materials on absorbing and non-absorbing subfloors.

Suitable for surfaces with integrated floor heating.

The adhesive is waterproof in the cured state.

TECHNICAL DATA

The specified data refer to standard conditions (23 °C / 50 % rel. hum.). Deviating room air conditions change the times.

ADVANTAGES

- Facilitates rapid, secure working
- Suitable for swell-resistant of woods that make high demands on adhesive techniques
- To be used on absorbent and non-absorbent layers
- Low emission values

MATERIAL DATA

Parameter	Component A	Component B	Standard
Density at 25 °C	1650 ± 50 kg/m ³	1230 ± 50 kg/m ³	DIN 12791-1
Colour	beige	dark brown	-
Mixed colour	beige		-

REACTION DATA

Parameter	6.7 component A : 1 component B	Unit
Mixing ratio A : B (parts per weight)	6.7 : 1	-
Pot life (23 °C)	approx. 45	minutes
Laying period (23 °C)	70 - 80	minutes
Load bearing after	24	hours

MECHANICAL DATA

Parameter	Value	Unit	Standard
Shore D hardness	67 - 73	-	ISO 7619-1
Peel resistance	4.5 - 5.5	N/mm	DIN 53289

APPLICATION METHOD

1. Laying

Empty the hardener container completely into the resin container. Stir the mixture in the container for at least 3 minutes, using a portable drill equipped with a mixing disk. Take care on good mixture; especially at the container edge and bottom. Apply adhesive to the subfloor using a notched trowel.

Immediately lay flooring boards and roll over them with a roller exerting pressure. Roll over the floor again with a roller after 2 to 3 hours.

Apply only at a processing temperature of 15 °C – 30 °C and within an air humidity below 65 %.

2. Requirements for the subfloor

The subfloor should be dry and clean, with no oil or grease contamination, even, free of cracks, and capable of bearing loads (as per DIN 18356). Generally, we recommend precoating with our primer CARBO P-Grund10 or CARBO P-Grund11 on substrates with integrated floor heating system.

3. Method of application

Use a notched trowel (acc. to IVK guidelines). TKB A2 or B1 for floorings with a flat reverse. TKB B2, B3 or Pajarito 21 for floorings with a textured reverse. The choice of the notched trowel depends on the reverse of the covering and must ensure full surface wetting.

4. Consumption

approx. 400 – 600 g/m ²	For a flat reverse
approx. 1000 – 1200 g/m ²	For a textured reverse

After 24 - 48 hours the parquet adhesive is hardened to a tough, permanent elastic and hydrolysis-resistant adhesive which absorbs and reduces tensions in the bond. Hardening will be delayed through low temperatures (15 °C) however a stop of the reaction is not to be expected. The adhesive hardens completely.

SAFETY INSTRUCTIONS AND LIMITATIONS

Observe the usual precautionary measures for handling chemicals, see MSDS.

If it is necessary to apply the adhesive in cold conditions, the adhesive must be permitted to warm up to the adequate working temperature. Observe the instructions for installation provided by the flooring manufacturer as well as all other available norms and data sheets.

Avoid freezing.

PACKAGING AND TRANSPORTATION

All forms of packing are approved to the danger goods regulation road, railway, domestic shipping. The components can be delivered in 0.75/6.2 l units. Other packaging units are available on request. Details are shown in the offer.

STORAGE AND SHELF LIFE

At least six months after delivery when stored in a dry place between 10 °C und 30 °C. When this time is exceeded, we recommend having the material checked by Minova for compliance with specification. Observe legal storage specifications (see safety data sheet).

DISPOSAL

Follow local regulations.

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ADDITIONAL DOCUMENTATION

- MSDS of CARBO PUR27 component A
- MSDS of CARBO PUR27 component B

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