

Thomsit

R 710 Polyurethane Adhesive

For coverings indoor and outdoor



- Prevents the build-up of electrostatic charge
- Very high load resistance
- Moisture- and weather-resistant
- High coverage

Scope of use

Very low emission, 2-component polyurethane adhesive for

- bonding rubber tiles (e.g. Norament)
- PVC and quartz vinyl tiles
- outdoor coverings
- concrete and ceramics
- polystyrene, wooden materials and building boards

on absorbent and nonabsorbent substrates in heavyduty commercial and industrial service areas. For indoor and outdoor use. Thomsit R 710 meets the highest requirements for occupational safety, indoor air quality and environmental compatibility.

Substrate preparation

Substrates must comply with the requirements of ATV DIN 18 365 "Flooring work", BS CP 8203 & 8204 or comparable national standards. In particular, they must be clean, free from structural defects, firm, dry and free of substances which may impair adhesion. After mechanical pretreatment (e.g. grinding/vacuuming), prepare the substrate with suitable Thomsit primers and levelling

Technical data

	Component A	Component B
Supplied as	grey paste	brown liquid
Packaging	plastic bucket, 4 kg + 10 kg	
Shipping unit	90 x 4 kg or 39 x 10 kg per pallet	
Mixing ratio A : B	4.5 : 1 parts by weight	
Open time	none	
Working time	approx. 45 minutes	
Load bearing	after approx. 8 hours	
Chemical resistance	after 7 days	
Suitability for castors chairs	resistant to chairs with castors acc. to DIN EN 12529, as well as resistant to pallet and fork lift trucks	
Temperature resistance		
after curing	–20 °C to +80 °C, can be used on underfloor heating constructions	
transport	–20 °C to +50 °C	
storage	+10 °C to +30 °C	
Shelf life	12 months, cool and dry	

The above times were measured under standard climatic conditions (23 °C/50 % rel. air humidity). Please note that under other climatic conditions curing resp. hardening may be accelerated or delayed.

Consumption

Rubber flooring with a smooth, polished backing (e.g. Norament)		
notch size A 5	250 g/m ²	coverage/10 kg bucket: approx. 40 m ²
Design floor coverings (LVT), PVC and quartz vinyl tiles		
notch size A 2	300 g/m ²	coverage/10 kg bucket: approx. 33 m ²
Flooring with a rough, textured backing		
notch size B 1/B 2	400 – 600 g/m ²	coverage/10 kg bucket: approx. 20 m ²

compounds so that it is ready to receive floor coverings. For areas subject to heavy loading, use Thomsit S 810 (up to 2 mm) or Thomsit SL 85 (thicker layers). In outdoor areas and in indoor areas on subfloors in direct contact with the soil, always use Thomsit R 755 to seal off the subfloor against capillary-rising moisture. For levelling work in these cases, use only Thomsit S 810.

Application

The adhesive consists of two components (resin and hardener) supplied in separate compartments of the bucket. Use a sharp pointed tool to punch several holes through the plastic plug and the bottom of the top container, which acts as the bucket lid. Lift the top container slightly to allow the hardener to drain completely into the bucket below. Then carefully mix the resin and hardener using a hand drill with stirring attachment for at least 2 minutes. Apply the adhesive evenly to the subfloor using a suitable notched trowel (see technical data sheet "Consumption"). No open time required. Install the floor coverings directly into the adhesive bed, taking care to avoid any air pockets. The covering material must be free of tension and lie flat on the substrate, otherwise weight it down. Avoid rucking at the seams. Carefully roll down freshly laid areas. After start of adhesive curing, roll over the bonded area again.

Tip: For control reasons apply adhesive to an offcut of the covering material at the beginning of the installation.

Important information

- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and levelling compounds.
- Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C and relative humidity below 75 %.
- Do not scrape out the bucket.
- Protect the installed floor covering from direct sunlight until the adhesive has cured.
- Remove fresh spots of adhesive immediately using alcohol (spirit).
- Working time may vary depending on the temperature. They will be shorter at higher temperatures but longer at lower temperatures.

Product safety

Thomsit R 710 contains isocyanates, which may cause sensitization by inhalation and skin contact. Wear protective gloves and clothing. The risk of medium or longterm release of appreciable concentrations of volatile organic chemicals (VOC) into the ambient air is negligible. Nevertheless ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. In case of contact with eyes or skin rinse immediately with plenty of water.

Information for allergy sufferers on: +49 (0)211 797-0 (key word "emergency").

Keep out of reach of children.

For professional users.

Safety data sheet available on www.thomsit.com

GISCODE RU 1	solventfree, according TRGS 610
EMICODE EC 1 ^{PLUS} R	very low-emission according to GEV

Technical information

Please also follow the instructions in the following information sheets:

1. "Assessment and preparation of substrates" issued by the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de).
2. Briefing notes of the Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publications")
3. Installation as well as cleaning and care instructions of the flooring manufacturers.
4. Generally recognized rules of flooring technology as well as the applicable national standards.



Disposal

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Only recycle totally empty packages. Dispose of hardened product residues as industrial waste similar to household waste or in the container for commercial/construction site waste. Dispose of unhardened product residues as hazardous waste. European waste code number (EWC): 08 04 09

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.



**Henkel AG & Co. KGaA – Bautechnik
Deutschland**

Henkelstr. 67 • D40589 Düsseldorf
Postfach • D40191 Düsseldorf

Phone +49 (0) 2 11/797-0
Fax +49 (0) 2 11/7984008

www.thomsit.com
thomsit.bautechnik@henkel.com