

High-strength hybrid adhesive, 1-component

K 195

for elastic coverings, especially vinyl design flooring (LVT)



FEATURES AND BENEFITS

- Particularly resistant to high temperatures and moisture, ideal for bonding LVTs and rubber flooring
- Excellent resistance to water penetrating through the joints
- Maximized strength for heavy-duty applications
- Optimized workability
- For wall and floor application

FIELDS OF APPLICATION

Very low-emission, moisture-curing SMP-based adhesive for bonding:

- vinyl flooring (LVTs)
- PVC tiles (homogeneous and heterogeneous)
- rubber tiles with a smooth, sanded underside
- linoleum tiles up to 4 mm thickness
- THOMSIT damping underlays

on absorbent and non-absorbent substrates that are ready for flooring installation. Especially suited for areas exposed to higher temperatures, e.g. conservatories, floor-to-ceiling windows. Being not subject to labelling, THOMSIT K 195 is a user-friendly alternative to conventional 2-component PUR adhesives.

THOMSIT K 195 meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

Colour and consistency	Pasty, cream colour
Package size	Polypropylene pail, 15 kg
Shipping unit	24 pails per pallet

Evaporation time (for pre-reaction)	absorbent substrates	none
	non-absorbent substrates	approx. 10-15 minutes
Working time	Approx. 30 minutes	
Walkable	absorbent substrates	after approx. 4 hours
	non-absorbent substrates	after approx. 8 hours
Can bear weight after	Approx. 24 hours	
Welding / grouting seams	after approx. 24 hours	
Final strength	after approx. 72 hours	
Service with chair castors	Suitable for use with castors in accordance with DIN EN 12529	
Temperature resistance		
Following setting	-20°C to +80°C maximum, can be used on floors with underfloor heating	
For transport	-20°C to +50°C	
For storage	+10°C to +30°C	
Shelf life	min. 12 months, store in a cool dry place	

These times apply to normal climatic conditions (23°C and 50% relative humidity). At other climatic conditions, the setting and drying times may be shorter or longer.

CONSUMPTION

	Consumption	Range per pail
Floors		
LVT, PVC, rubber flooring:		
A1/A2 notched trowel	Approx. 330 - 380 g/m ²	Approx. 43 m ²
Linoleum, insulation underlays:		
B1 notched trowel	approx. 400 - 450 g/m ²	approx. 36 m ²
Walls		
LVT, PVC, rubber flooring:		
A1 notched trowel	Approx. 330 - 380 g/m ²	Approx. 43 m ²

PREPARATION OF SUBSTRATE

The substrate must be in accordance with the valid requirements or comparable national standards. It must be clean, firm, dry and free from cracks and substances that could impair adhesion. After the substrate has received proper treatment (e.g. grinding and vacuuming), appropriate THOMSIT primers and levelling compounds must be applied. In the case of wall surfaces, level uneven areas with a commercially available levelling compound and, if necessary, prime with THOMSIT R 745 to bind dust before bonding. For areas subject to high stress, only use primer and levelling systems that are suitable for this purpose.

For use outdoors and indoor constructions in contact with the ground, always apply THOMSIT R 755 as a barrier against capillary rising moisture.

APPLICATION PROCEDURE

Apply the adhesive in an even coat using the notched trowel specified for the flooring which is to be laid. Only apply adhesive to an area which will allow wet adhesive bonding within approx. 30 minutes with thorough wetting on the back of the flooring. After a short time, insert the flooring into the fresh adhesive bed without air bubbles. The flooring to be laid must be free from stress and level. If necessary, the ends of strips and edges which are not level must be worked into place or pressed down. Rub the flooring carefully into position and roll it. Avoid excessive stress at the seams. Wait at least 24 hours before sealing or welding joints. Do not walk on the floor covering or put weight on it (e.g. kneeling) during installation and in the first 4 to 8 hours after bonding.

In any case, leave the adhesive exposed **on non-absorbent substrates** for 10 - 15 minutes. During this time, the necessary pre-reaction with humidity begins which is necessary to ensure complete curing after laying the floor covering. After installation, proceed as described above.

Wall application

THOMSIT K 195 is also suitable for installing vinyl flooring (LVTs) on the wall. For this purpose, apply the adhesive with a trowel of notch size A1 evenly on the wall and allow the adhesive to flash off for approx. 10 minutes. The onset of reaction reduces the risk of tile slippage. Only apply as much adhesive to the wall as can be covered with flooring within the open time. Ensure complete wetting of the underside. Place the flooring into the adhesive bed without air pockets. The floor coverings must be free of tension and lie flat on the surface. If necessary, roll back the material ends and edges to relieve stresses. The flooring can be additionally secured with adhesive tape to prevent it from shifting. Carefully rub and then roll down the flooring. Avoid excessive stress at the seams. After approx. 30 minutes, carefully press down again. Do not seal the joints or weld the seams until at least 24 hours after installation.

Note

The chemical reaction begins immediately after the adhesive is applied. Adequate adhesion to the covering is only ensured within the open time (approx. 30 minutes). Although the back of the floor covering is still fully wetted later on, sufficient adhesion is no longer achieved.

PLEASE NOTE

- In order to reach the best possible air quality after floor laying work, flooring should be laid under conditions in accordance with the applicable standard on substrates, primers and levelling compounds which have thoroughly dried.
- Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C and relative humidity below 75%. Remove any skin which may have formed on the adhesive (e.g. due to incorrect storage) and do not stir it into the adhesive.
- When applying the adhesive to non-absorbent substrates, relative humidity must be at least 50%.
- While still fresh, completely remove adhesive stains with THOMSIT TRT 10 cleaning wipes or with commercially available industrial methylated spirits. Also clean the tools in the same way immediately after use. After curing, adhesive stains can only be removed mechanically.
- Tightly close the opened buckets after use and use up the content as soon as possible.
- Curing may vary depending on temperature and relative humidity. The times given will be shorter at higher temperatures and lower relative humidity and longer at lower temperatures and higher relative humidity.

TECHNICAL INFORMATION

The requirements of the following documents must be followed:

- DIN 18365 "Flooring work"
- Information sheets from the Technical Commission for Construction Adhesives (www.klebstoffe.com, see "Publications"), in particular
 - TKB-8 "Assessment and preparation of substrates for floor coverings and parquetry",
 - TKB-15 "Laying of design and multilayer floor coverings",
 - TKB-7 "Adhesive bonding of PVC floor coverings",
 - TKB-4 "Adhesive bonding of linoleum floor coverings",
 - TKB-3 "Adhesive bonding of elastomer coverings".
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de).
- Laying instructions of the flooring manufacturers.
- Generally accepted rules of technology for flooring work and applicable national codes and standards.

SERVICE FOR ARCHITECTS AND DESIGNERS

Please contact our sales force if you need advice or building project support. Further documents can be downloaded from the internet at www.thomsit.com.

PRODUCT SAFETY

Contains Trimethoxyvinylsilane, 3-aminopropyltriethoxysilane. Can cause allergic reactions.

Keep out of the reach of children. During the setting process, methanol is split off. Ventilate continuously during processing.

Wear protective gloves. Avoid eating, drinking and smoking while processing the product. In case of contact with eyes or skin, rinse immediately with plenty of water. Intensive ventilation after laying the floor for several days. Information for allergy sufferers on telephone no. +49 821 5901-0.

Safety data sheet is available at www.thomsit.com.

GISCODE RS 10	installation materials, containing methoxysilane
EMICODE EC1 PLUS	Very low emissions Plus

DISPOSAL

Further information on disposal can be found on our homepage at <http://www.thomsit.de/services-seminare/entsorgungshinweise>. Do not allow the product to enter sewer systems, surface waters or the soil. Only return the completely emptied buckets for recycling. Dried material residues can be disposed of as household waste. Non-hardened product residues must be taken to a collection point for hazardous waste.

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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.