

K 112

Special conductive adhesive

For conductive PVC and rubber floor coverings



TDS_Thomsit_K112_GCC_0514

PROPERTIES

- ▶ Light colour and conductive
- ▶ Particularly high bonding strength
- ▶ Ready for use

1 DESCRIPTION

Very low emission, special conductive dispersion adhesive for

- conductive PVC sheet and tile coverings
- conductive rubber sheet (up to 3.5 mm thickness) and tiles (up to 2.5 mm thickness)

Conductive PVC flooring is laid on pretreated substrates equipped with a transverse conductive system (e.g. with Thomsit R 762 Conductive Base Coat). Rubber floor coverings are laid on absorbent substrates without Thomsit R 762 Conductive Base Coat. Recommended e.g. for operations and computer rooms, laboratories, and production and storage areas subject to explosion risk.

SUBSTRATE PREPARATION

Substrates must comply with the requirements of ATV DIN 18 365 'Floor covering 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. To level off any substrate unevenness, first treat with the appropriate Thomsit primer and then apply the recommended Thomsit levelling compound. Firmly adhering old PVC coverings must be thoroughly cleaned with Thomsit PRO 40 and levelled off with Thomsit FF 69 FlexFinish. Before laying electrically conductive PVC coverings, apply Thomsit R 762 Conductive Base Coat on the substrate. The use of a copper strip grid is no longer necessary then. Every 30 m² fix a copper strip of approx. 1 m length onto the R 762 coat. Use a conductive adhesive and always leave a



protruding end (tail). In the case of rubber flooring, fix a copper strip lengthwise under each row of rubber tiles or strips, over the full length. Connect the copper strips transversely at the end of each row. Allow the copper strips to protrude every 30 m². Grounding of the flooring system must in any case be done by a qualified electrician.

APPLICATION

Stir the adhesive well and apply it evenly to the substrate with a S1 notched trowel. Wet bonding: After a short open time of approx. 10-20 minutes, place the covering material into the still wet adhesive bed, taking care to avoid air pockets, and carefully rub it down to ensure good wetting of the back. The covering material must be free of tension and lie flat on the substrate, otherwise weight it down. Avoid rucking at the joints. Pressure-sensitive bonding (only for PVC coverings): On impervious substrates, allow the adhesive to air-dry until it has taken on a uniformly yellowish to transparent colour

(approx. 30-60 minutes). Then test with a finger to make sure it is touchdry. Contact bonding (e.g. for rubber floor coverings on nonabsorbent substrates): Rubber flooring can be fixed on nonabsorbent substrates only by contact bonding. Apply the adhesive on back of the floor covering with a smoothing trowel. In addition, apply adhesive on the substrate with a notched trowel (size S1). Allow both adhesive surfaces to dry to the touch (check by finger test as described under pressuresensitive bonding). Then place the floor covering, but avoid entrapping air. Always press the ready laid floor covering in place by vigorously rubbing or rolling it down again. Wait at least another 24 hours before welding the joints.

IMPORTANT INFORMATION

- Do not install floor coverings at floor temperatures below 15°C and at a relative humidity above 65 %.
- Remove any skin of driedup adhesive which may have formed (e.g. due to improper storage). Do not stir in.
- Remove fresh spots of adhesive with a moist cloth.
- Tools and equipment can be cleaned with water.
- Tightly close opened buckets.

- 2** Open and working time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with nonabsorbent substrates.

TECHNICAL INFORMATION

Please refer to the following information sheets:

1. The norm guidelines and regulations of the appropriate national organizations and professional associations.
2. Floor covering manufacturers' product installation instructions.

GISCODE D 1 (solventfree acc. to TRGS 610)
EMICODE EC 1 (very low emissions acc. to GEV)

PRODUCT SAFETY

Thomsit K 112 is solventfree and a suitable alternative to solventcontaining products. No special safety procedures or measures are necessary for its use. The risk of medium or longterm release of appreciable concentrations of volatile organic chemicals (VOC) into the ambient air is negligible. VOC for K 112 contains less than 50g/L VOC and fulfills the requirements in accordance with SCAQMD rule 1168, as specified in LEED credit IEQ 4.2 (adhesives & sealants).

TECHNICAL DATA

Supplied as	paste
Colour	light grey
Density	approx. 1.1 kg/l
Coverage	
Notch trowel size S1	approx. 300-350 g/m ²
Open time	
- Wet bonding	approx. 10-20 minutes
- Pressuresensitive/ Contact bonding	approx. 30-60 minutes
Working time	
Wet bonding	approx. 45 minutes for PVC
Pressuresensitive/ Contact bonding	approx. 120 minutes for PVC
Load bearing	after approx. 24 hrs
Curing time (final strength)	after approx. 72 hrs
Grounding resistance	< 3 x 10 ⁵ Ohm according to EN 13415
Temperature resistance	
after curing	up to max. 50°C
for transport and storage	0°C to 50°C, protect from frost!
Shelf life	12 months, cool and dry
Packaging	12 kg plastic bucket

DISPOSAL

Do not dispose of the product into natural water systems, drains or the soil. Recycle empty containers (dripfree and open).



Trowel technique with
adhesives



Suitable for castors
with appropriate
floor coverings



For use on under-
floor heating

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional 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 their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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