



## K 112 Special Conductive Adhesive

For conductive PVC and rubber flooring



- Light color and conductive
- Particularly high bonding strength
- Ready for use

### Fields of application

Very low-emission, special conductive dispersion adhesive for

- conductive PVC sheet and tile flooring
- 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 layer (e.g. Thomsit R 762 Conductive Base Coat). Rubber flooring are laid on absorbent substrates without Thomsit R 762 Conductive Base Coat. Recommended e.g. for operation theaters and computer rooms, laboratories in potentially explosive production and storage areas. Thomsit K 112 meets the highest requirements for occupational safety, indoor air quality and environmental compatibility.

### Technical data

Supplied as	light grey, paste
Packaging	plastic bucket, 12 kg
Shipping unit	33 buckets per pallet
Open time	
wet bonding	approx. 15 minutes
pressure-sensitive/contact bonding	approx. 45 minutes
Working time	
wet bonding	approx. 40 minutes for PVC
pressure-sensitive/contact bonding	approx. 120 minutes for PVC
Load bearing	after approx. 24 hrs
Suitability for castor chairs	according to DIN EN 12529
Grounding resistance	< 3 x 10 <sup>5</sup> Ohm according to DIN EN 13415
Temperature resistance	
after curing	up to max +50 °C, be can used on underfloor heating constructions
for transport	+5 °C to +50 °C, protect against frost
for 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

	Consumption	coverage /bucket:
notch size S 1	approx. 330 g/m <sup>2</sup>	37 m <sup>2</sup>



## Preparation of substrate

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. 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 and levelled off with Thomsit FF 69 Flex-Finish. 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 m<sup>2</sup> 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 m<sup>2</sup>.

## Application procedure

Apply the adhesive 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 touch-dry.

### Contact bonding (e.g. for rubber floor coverings on nonabsorbent substrates):

Rubber flooring can be fixed on non-absorbent 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 pressure-sensitive 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.

## Please note

- 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 %.
- Remove any skin of dried-up adhesive which may have formed (e.g. due to improper storage). Do not stir in.
- Remove fresh spots of adhesive with a moist cloth.
- Clean tools with water and soap immediately after use.
- Tightly close opened buckets and use them up quickly.
- 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 non-absorbent substrates.
- Grounding of the flooring system must in any case be done by a qualified electrician.

## Product safety

Thomsit K 112 is solvent-free and a suitable alternative to solvent-containing 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.

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. Product contains:

Benzisothiazolinone.

Information for allergy sufferers on: +49 180 2273112.

Keep out of reach of children.

**For professional users.**

Safety data sheet available on [www.thomsit.com](http://www.thomsit.com)



# Thomsit

K 112 Special Conductive Adhesive

## Product safety

**Ingredients:** acrylate copolymer dispersion, modified natural resin, inorganic fillers, poly(1,2-propanediol), wetting agent, thickener, carbon fibers, anti-foaming agent, preservative (benzisothiazolinone)

GISCODE D 1	solventfree accord. to TRGS 610
EMICODE EC 1	very low emissions accord. to GEV
RAL UZ 113	Blue Angel, environmentally friendly due to very low emissions

## 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.
3. Information sheets issued by the Technische Kommission Bauklebstoffe ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publikationen").
4. Generally recognized rules of the trade for the installation of wood flooring 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.

### PCI Augsburg GmbH

Piccardstraße 11, 86159 Augsburg,  
Tel.: +49 821 5901 0

### PCI Bauprodukte AG

CH-8055 Zürich,  
Tel.: +41 58 958 21 21

[thomsit-info@basf.com](mailto:thomsit-info@basf.com)  
[www.thomsit.com](http://www.thomsit.com)

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