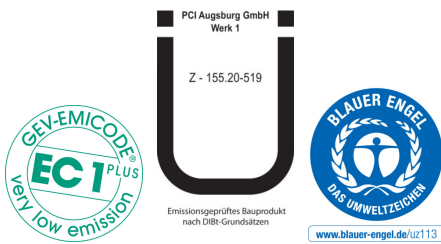


Conductive rubber and PVC flooring adhesive

K 192 F

for bonding conductive rubber and PVC flooring on absorbent substrates



FEATURES AND BENEFITS

- Fiber-reinforced, high shear strength
- Electrically conductive
- Good wet adhesive strength paired with a hard adhesive bed
- Short flash-off time
- Excellent workability and low consumption

FIELDS OF APPLICATION

Very low-emission, conductive and fiber-reinforced dispersion adhesive for bonding:

- conductive rubber sheets and tiles up to 4 mm thickness with a smooth, sanded underside
- conductive PVC sheets and tiles

on absorbent substrates ready for flooring installation.

Recommended for ESD-protected areas that need to meet special requirements as to the electrostatic dissipation of floor structures, e.g. operation theaters and computer rooms, laboratories and production/storage areas subject to explosion hazards. THOMSIT K 192 F meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

Color / consistency	grey, pasty, contains fiber
Pack size	PP bucket, 13 kg
Shipping unit	33 buckets per pallet
Flash-off time	
Tiles	approx. 5 minutes
Sheets	approx. 5 - 10 minutes
Open time	approx. 20 - 30 minutes
Load / stress resistant	after approx. 24 hours
Suitability for castor chairs	resistant to castor chairs according to DIN EN 12529
Electrical resistance	< 3 x 10 ⁵ Ohm acc. to DIN EN 13415
Temperatur resistance	
- after curing	up to max. +50 °C, suitable for use on underfloor heating
- transport	+ 5 °C to + 50 °C, protect against frost
- storage	+ 10 °C to + 30 °C
Shelf life	12 months in a cool and dry place

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

CONSUMPTION

	Consumption	Coverage/bucket
Notch size S 1	approx. 280 g/m ²	approx. 46 m ²

PREPARATION OF SUBSTRATE

The substrates must comply with the requirements of ATV (General technical specifications in construction contracts) DIN 18365 "Flooring Works" or comparable national standards. In particular, they must be clean, firm, dry and free of cracks or substances that may impair adhesion. After proper mechanical pretreatment (e.g. sanding/vacuuming), prepare the substrate with suitable THOMSIT primers and leveling compounds so that it is ready to receive flooring.

Minimum layer thickness for leveling compounds:

- Low- or non-absorbent surfaces: layer thickness at least 2 mm, with rubber flooring 3 mm
- New calcium sulfate screeds: 1 to 2 mm, with rubber flooring 2 mm
- Old subfloors and moisture-sensitive substrates: at least 2 mm, with rubber flooring 3 mm

The transverse conductive layer must be produced according to the flooring manufacturer's instructions. Under normal conditions, proceed as follows: For the installation of conductive PVC flooring, apply a uniform layer of THOMSIT R 762 Conductive Base Coat on top of the leveling compound. In this case, a copper strip grid is not necessary. For the later connection to ground potential, glue copper strips on the properly prepared subfloor (1 m copper strip per 30 m² floor area). The strips must be sufficiently long so that they protrude from the area for the later connection to ground potential.

Do not use a conductive finish for conductive rubber coverings, instead stick a copper strip lengthways under each row of tiles

or strips and connect them to each other across the top. The strips must be sufficiently long so that they protrude from the area for the later connection to ground potential.

APPLICATION PROCEDURE

Apply the adhesive evenly on the substrate. Use the trowel (notch size S1) supplied with the adhesive (glued onto the lid of the bucket). Only apply as much adhesive as can be covered with flooring while the adhesive is still wet to ensure full adhesive transfer and wetting of the underside. After a short flash-off time, place the flooring into the still wet adhesive. Take care to avoid air pockets. The flooring material must be without tension and lie flat on the surface. Roll back the ends and edges of the flooring to relieve stresses; if necessary, flatten it with weights. Carefully rub and then roll down the flooring. Avoid excessive stress at the seams. After 30 to 45 minutes, carefully roll down again with a segmental steel roller. After installation, wait at least 24 hours before sealing or welding the seams.

PLEASE NOTE

- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, priming coats 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 % (recommended < 65 %).
- Flash-off time and open time depend 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 less absorbent substrates.
- Make sure to observe the installation instructions of the flooring manufacturers. Before installation, always allow the flooring to acclimate for a sufficiently long time.
- Especially in the curing phase, protect the newly installed floor against direct solar radiation and excessive moisture caused e.g. by cleaning.
- When expecting extreme temperatures (e.g. strong exposure to solar radiation) or high loads (e.g. by pallet trucks), bond the floor covering with suitable PUR adhesives (e.g. THOMSIT R 712).
- Immediately remove fresh adhesive stains with a damp cloth. Clean the tools with water immediately after use.
- Tightly close the opened bucket(s) and use the content up as soon as possible.
- Remove any skin that may have formed on the adhesive (e.g. due to improper storage). Do not stir in.
- The connection to the ground potential must always be carried out by an electrician in accordance with the VDE regulations.

PRODUCT SAFETY

Treated product according to Biocidal Products Directive EU 528/2012: Contains biocide (in-can preservative): contains bronopol. Contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazolin-3-one. May cause allergic reactions. Keep out of the reach of children. Ensure adequate ventilation during the application and drying process. Eating, drinking and smoking should be avoided while working with the product. In case of contact with the eyes or skin, rinse immediately with plenty of water. In case of contact with the eyes, also consult a doctor. Clean the tools with water immediately after use. Do not discharge the product into drains, the aquatic environment or the soil. Tightly close opened buckets immediately after use. 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. The European Waste Catalogue (EWC) codes can be enquired from the manufacturer. Information for allergy sufferers on +49 821 59 01-0. For further information please refer to the Safety Data Sheet which is available on www.thomsit.com.

Ingredients: Acrylate copolymer dispersion, poly(1,2-propandiol), inorganic fillers, wetting agent, thickener, polymer fibers, anti-foaming agent, preservatives (isothiazolinone, BNPD)

GISCODE D 1	Solvent-free according to TRGS 610
EMICODE EC 1 ^{PLUS}	very low emissions
RAL UZ 113	Blue Angel: environmentally friendly because very low in emissions

TECHNICAL INFORMATION

Please refer to the following information sheets:

- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf/Germany (www.beb-online.de)
- TKB-Merkblatt 8 (Technical Briefing Note) "Assessment and preparation of substrates for the installation of floor coverings and parquet" issued by TKB (www.klebstoffe.com, see under "Publications")
- TKB-Merkblatt 3 "Installation of elastomer flooring" issued by TKB (www.klebstoffe.com, see under "Publications")
- TKB-Merkblatt 7 "Installation of PVC flooring" issued by TKB (www.klebstoffe.com, see under "Publications")
- Installation instructions of the flooring manufacturers
- Generally recognized rules of the trade for the installation of flooring as well as the applicable national 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.

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.

PCI Augsburg GmbH

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

thomsit-info@pci-group.eu
www.thomsit.com

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.