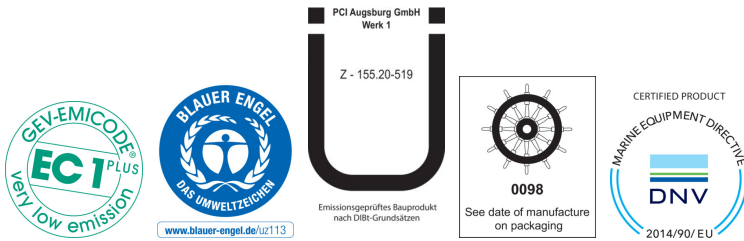


Fiber-Reinforced PVC and Rubber Flooring Adhesive

**K 190 F**

Especially suited for PVC / vinyl flooring (LVTs)



**FEATURES AND BENEFITS**

- Fiber-reinforced, high shear strength
- Good wet adhesive strength paired with a hard adhesive bed
- Short flash-off time
- Excellent workability, low consumption
- Especially suited for PVC / vinyl flooring (LVTs)

**FIELDS OF APPLICATION**

Very low-emission, fiber-reinforced dispersion adhesive for bonding

- rubber sheets and tiles up to 4 mm thickness with a smooth, sanded underside
- vinyl flooring (LVTs)
- PVC sheets and tiles (homogeneous and heterogeneous)
- CV flooring
- quartz vinyl tiles
- PVC-free resilient flooring (e.g. Tarkett IQ one, Upofloor ZERO)

on absorbent substrates ready for flooring installation.

THOMSIT K 190 F meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

**TECHNICAL DATA**

Color / consistency	creamy white, pasty	
Pack size	13 kg PP bucket	
Shipping unit	33 buckets per pallet	
Flash-off time	tiles, panels, planks	approx. 5 minutes
	sheeting	approx. 10-15 minutes
Open time	approx. 25 minutes	

Load-/stress-resistant	after approx. 24 hours
Resistance to castor chairs	Resistant to castors that comply with DIN EN 12529
Temperature resistance after curing	Up to max. +50 °C, can be used on heated floor structures
Temperature range for transport	+5 °C to +50 °C, protect from frost
Temperature range for storage	+10°C to +30°C
Shelf life	at least 12 months if stored 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 and drying may be accelerated or delayed.*

## CONSUMPTION

	Consumption	Coverage / bucket
Flooring up to 2.5 mm thickness:		
notch size A2	approx. 220 g/m <sup>2</sup>	approx. 59 m <sup>2</sup>
Panels over 2.5 mm thickness, e.g. Norament		
notch size B1	approx. 300 g/m <sup>2</sup>	approx. 43 m <sup>2</sup>

## PREPARATION OF SUBSTRATE

The substrates must comply with the requirements of DIN 18365, part C "General technical specifications in construction contracts (ATV) – Flooring Works". In particular, they must be clean, firm, dry and free of cracks or substances that may impair adhesion. After expert mechanical pretreatment (e.g. sanding / vacuuming), prepare the substrate with a suitable THOMSIT primer and levelling compound so that it is ready to receive flooring.

Minimum layer thickness for the application of levelling compounds:

- On low- or non-absorbent substrates: at least 2 mm, on rubber flooring: 3 mm layer thickness
- On new calcium sulfate screeds: 1-2 mm, on rubber flooring: 2 mm layer thickness
- On old subfloors and moisture-sensitive substrates: at least 2 mm, on rubber flooring: 3 mm layer thickness

## APPLICATION PROCEDURE

Apply a uniform coat of adhesive on the substrate using a trowel with the right notch size, depending on the type of flooring. 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 material must be without tension and lie flat on the surface. Otherwise 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 30-45 minutes, carefully roll down again with a segmented steel roller. After installation, wait at least 24 hours before sealing the joints 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 tend to be shorter with increasing temperatures and decreasing humidity, but longer with opposite climatic conditions and less

absorbent substrates.

- Observe the flooring manufacturers' installation instructions. Before installation, allow the flooring to acclimate for a sufficiently long time.
- Especially in the curing phase, protect the newly installed flooring from direct solar radiation and excessive moisture caused e.g. by wet cleaning.
- When expecting high temperatures (e.g. exposure to strong solar radiation) or high loads (e.g. by pallet trucks), bond the flooring with a suitable PUR adhesive (e.g. THOMSIT R 710).
- Immediately remove fresh adhesive stains with a damp cloth. Clean the tools with water and soap immediately after use.
- After use, tightly close the opened bucket 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.

## TECHNICAL INFORMATION

Make sure to observe the following standards and information sheets:

- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), [www.beb-online.de](http://www.beb-online.de)
- Technical Briefing Note 8 "Assessment and preparation of substrates for the installation of floor coverings and parquet" ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
- Technical Briefing Note 3 "Installation of Elastomer Flooring" ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
- Technical Briefing Note 7 "Installation of PVC Flooring" ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
- Flooring manufacturers' installation instructions
- Generally recognized rules of the trade for the installation of flooring as well as the applicable national standards and regulations

## 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](http://www.thomsit.com).

## PRODUCT SAFETY

### Treated article according to Biocidal Products Regulation EU 528/2012:

Formulated with a biocide (in-can preservative), contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), bronopol. May cause allergic reactions. Safety Data Sheet available on request. 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. Information for allergy sufferers on +49 821 59 01-0.

For further information please refer to the Safety Data Sheet which is available at [www.thomsit.com](http://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 EC1 PLUS	Very low-emission
DE-UZ 113 Blue Angel	Environmentally friendly due to very low emissions

## 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.