

## DesignTack

# K 145

Roll-on adhesive for the easy fixing of vinyl flooring (LVTs)



## FEATURES AND BENEFITS

- Reliable fixing of vinyl flooring (LVTs) and carpet tiles
- Prevents carpet tiles and modules from shifting
- Ergonomic application by roller
- Low consumption
- Easy removal and replacement of flooring elements

## FIELDS OF APPLICATION

Very low-emission, highly tacky roll-on adhesive for fixing

- dimensionally stable vinyl flooring (planks and tiles)
- carpet tiles and modules with a smooth underside or fleece backing.

THOMSIT K 145 DesignTack can be used in residential and commercial buildings on all level substrates that have been prepared with THOMSIT levelling compounds and are ready to receive flooring. Ergonomic roller application ensures fast work progress and quick use of the newly installed floors. If necessary, individual flooring elements can be easily removed and replaced. The roll-on adhesive can also be used as an anti-skid tackifier under suitable loose-lay or click vinyl flooring elements. Before doing so, obtain the flooring manufacturer's approval.

THOMSIT K 145 DesignTack meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

## TECHNICAL DATA

Color / consistency	magenta, viscous
Pack size	10 kg PP bucket
Shipping unit	40 buckets per pallet

Flash-off time	approx. 15 minutes
Open time	approx. 2 hours
Load-/stress-resistant	immediately
Resistance to castors	resistant to castors that comply with DIN EN 12529
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
Vinyl flooring (LVTs)	approx. 80 g/m <sup>2</sup>	125 m <sup>2</sup>
Carpet tiles/modules with a smooth underside	approx. 80 g/m <sup>2</sup>	125 m <sup>2</sup>
Carpet tiles/modules with a fleece backing	approx. 100 g/m <sup>2</sup>	100 m <sup>2</sup>

## PREPARATION OF SUBSTRATE

The substrates must comply with the applicable standards and regulations. In particular, they must be clean, firm, dry and free of cracks or substances which may impair adhesion. After 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. On mastic asphalt screeds and non-absorbent mineral substrates apply a levelling layer of at least 2 mm thickness. Before applying THOMSIT K 145 DesignTack on the levelled substrate, prime it with THOMSIT R 766 (diluted with water at a ratio of 1:2) and allow for a drying time of approx. 30 minutes.

## APPLICATION PROCEDURE

Apply a uniform coat of THOMSIT K 145 DesignTack over the entire surface using a nylon paint roller (pile height 7 mm). Use a paint grid to remove excess adhesive and make sure to avoid adhesive pooling. Only roll on as much adhesive as can be covered with flooring within the open time. Allow a flash-off time of at least 15 minutes before installing the flooring material. Make sure to avoid buckling of the flooring elements (e.g. caused by excessive stress on the seams). Immediately after placing, carefully roll down the flooring material.

**Tip:** When you want to replace only single flooring elements, apply THOMSIT K 145 DesignTack also on the underside of the flooring (provided the underside is smooth) to increase the adhesive strength.

## 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 %.
- Before installation, always allow the flooring material to acclimate completely to room temperature. Do not use deformed flooring elements. THOMSIT K 145 DesignTack cannot prevent dimensional changes in flooring materials (e.g. shrinkage caused by high temperatures or ageing).

- Do not use THOMSIT K 145 DesignTack under loose-lay or click vinyl flooring if the substrate underneath must be left in its original condition.
- Do not dilute the product.
- Immediately remove fresh product stains with a damp cloth. Clean the tools with water and soap immediately after use.
- Tightly close the opened bucket and use up the content as quickly as possible.
- Drying times may vary depending on temperature, relative humidity and substrate absorbency. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with non-absorbent substrates.

## TECHNICAL INFORMATION

Make sure to observe the following standards and information sheets:

- DIN 18365 "Flooring Works"
- Technical Briefing Notes issued by Technische Kommission Bauklebstoffe ([klebstoffe.com](http://klebstoffe.com), see "Publications"), in particular TKB-8 "Assessment and preparation of substrates" and TKB-13 "Bonding of textile floor coverings"
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), [beb-online.de](http://beb-online.de)
- Flooring manufacturers' installation instructions
- Generally recognized rules of the trade 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), 1,2-benzisothiazol-3(2H)-one, contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), bronopol, adipic acid dihydrazide. 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, thickener, preservatives (isothiazolinone, BNDP), dye

GISCODE D1	Solvent-free according to TRGS 610
EMICODE EC1 <sup>PLUS</sup>	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.