

# P 685

## Elast Universal

Technical Data Sheet



P 685

**Elastic adhesive for solid and engineered wood flooring**

### PROPERTIES

- ▶ protects substrates from shear forces
- ▶ long-lasting excellent bond strength
- ▶ long-lasting elastic bonding
- ▶ no primer needed for most substrates
- ▶ ideal for use on dry screed constructions
- ▶ with Flextec™ Technologie:
  - astonishingly easy to use
  - no more stained hands
  - spots easier to remove
  - water- and solvent-free

### DESCRIPTION

A very low emission, single-component special adhesive for bonding all types of wood flooring. Suitable for use on absorbent and non-absorbent substrates. The elastic bond reduces shear forces, thereby avoiding the longterm development of tensile forces in the substrate. The modern, user-friendly alternative to conventional PUR adhesives. Not suitable for bonding wood blocks.

### SUBSTRATE PREPARATION

Substrates must comply with the requirements of ATV DIN 18 356 "Wood flooring work", BS CP 8201 & 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. Always grind calcium sulfate screeds (with sandpaper, grain size 16). For new subfloors, grind carefully and vacuum clean to remove dust and separating layers. Then apply adhesive without any primer. Mastic asphalt screeds should always be primed with Thomsit R 755. Impervious, smooth substrates, such as ceramic tiles or terrazzo floors thoroughly clean with Thomsit PRO 40 and sand if necessary. Old subfloors and



irregular surfaces should be levelled by applying Thomsit DX or Thomsit XXL in a layer at least 2 mm thick.

### APPLICATION

Apply the adhesive evenly to the subfloor using a B3, B11 or B15 notched trowel, depending on the wood flooring type. Only apply as much adhesive as can be covered with wood flooring during the adhesive's working time. Check that the back of the wood elements are thoroughly wetted with adhesive, but take care to avoid any bonding at the edges. Maintain a distance of at least 10 mm from walls. Remove spacers from the edge gap immediately after installation. Do not walk on the wood flooring while installing it or during the first 24 hours after bonding.

Priming - Undercoating - Sealing



## IMPORTANT INFORMATION

- Solid wood flooring with an unfavourable width/depth ratio (e.g., 10 mm solid wood flooring), and engineered wood flooring with MDF/HDF middle layer tend to bow with seasonal fluctuations in humidity (winter/summer/winter). Elastic adhesive cannot completely counter such effects. In these cases, we recommend shear-resistant bonding with Thomsit P 625.
- Take care that the adhesive does not seep into the wood flooring joints as interactions with any subsequently applied sealing finish or laquers cannot be excluded.
- Do not install floor coverings at floor temperatures below 15°C and a relative humidity above 75 %.
- Clean tools and equipment immediately after use with Thomsit R 733.
- Remove any skin of dried-up adhesive which may have formed (e.g. due to improper storage). Do not stir in.
- Completely remove fresh spots of adhesive immediately with alcohol (meth. spirits) or Thomsit R 733.
- Tightly close open buckets.

## 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.

## PRODUCT SAFETY

The risk of medium or long-term release of appreciable concentrations of volatile organic chemicals (VOC) into the ambient air is negligible.

**For professional users.**

GISCODE	N/A
EMICODE	EC 1 R (very low emissions accord. GEV)

	interval width	3,30 mm
	notch width	3,70 mm
	notch depth	3,25 mm
	interval width	7,90 mm
	notch width	6,10 mm
	notch depth	5,00 mm
	interval width	6,90 mm
	notch width	5,60 mm
	notch depth	6,30 mm

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.

## TECHNICAL DATA

Supplied as	paste	
Colour	beige	
Density	1,55 kg/l	
Coverage:		
Mosaic parquet, upright lamellae parquet	notch B 3	750-900 g/m <sup>2</sup>
Solid strip, engineered wood flooring up to 1200 mm length	notch B 11	900-1200 g/m <sup>2</sup>
Larger formats, (e.g. solid / engineered planks)	notch B 15	1100-1400 g/m <sup>2</sup>
Working time	30 - 45 min	
Load-bearing	24 hours	
Sanding work/ surface treatment	24 hours at the earliest, 48 hours on non-absorbent substrates	
Temperature resistance for transport and storage	0° C to 50° C	
Shelf life	6 months, cool and dry	
Room echo reduction	12 dB	
Packaging	plastic bucket 16kg	

The above times are based on normal climatic conditions (23°C / 50% rel. humidity). Other climate conditions can result in a lengthening or reduction in curing and drying times.

## DISPOSAL

Do not dispose of the product into natural water systems, drains or the soil. Recycle empty containers (drip-free and open). Information on waste codes according to the European Waste Catalogue (EWC) may be obtained from us on request.



Trowel technique with adhesives



Ensure sufficient airing and ventilation



For use on underfloor heating

Henkel AG & Co. KGaA Bautechnik  
 Henkelstr. 67 • D-40589 Düsseldorf • P.O.Box • D-40191 Düsseldorf  
 Phone +49 (0) 2 11/797-0 • Fax +49 (0) 2 11/798-4008  
 Internet: www.thomsit.com • E-Mail: thomsit.bautechnik@henkel.com

