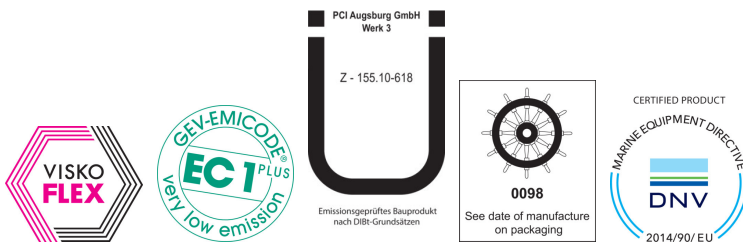


## ELAST STRONG

# P 680

Hard-elastic adhesive for bonding solid and engineered wood flooring



## FEATURES AND BENEFITS

- Suitable for all types of parquet
- Equipped with VISCO-FLEX technology:
  - excellent spreadability
  - very good ridge formation
- Extra high early strength, ready for foot traffic after only 12 hours
- Hard-elastic, strong and long-lasting bond, no embrittlement
- No priming coat required on most substrates
- Easy removal of adhesive residues

## FIELDS OF APPLICATION

Very low-emission, one-component special adhesive for bonding:

- all types of parquet
- light- and heavy-duty woodblock (RE/WE)
- THOMSIT damping underlays suitable for use under parquet.

THOMSIT P 680 ELAST STRONG can be used on:

- screeds
- dry screeds, chipboards (P4 to P7) and OSB boards (OSB/2 to OSB/4)
- ceramic tiles, natural stone and terrazzo
- THOMSIT levelling compounds suitable for use under parquet
- THOMSIT TF 302 Shear-Elastic Underlay
- THOMSIT TF 303 / 305 underlays, parquet with tongue-and-groove joints

The hard-elastic bond dissipates shear forces and thus sustainably reduces the influence of tensile stresses on the substrate. THOMSIT P 680 ELAST STRONG is a user-friendly alternative to conventional PUR adhesives.

THOMSIT P 680 ELAST STRONG meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

## TECHNICAL DATA

Color / consistency	beige / paste-like
Pack size	PP bucket, 18 kg
Shipping unit	24 buckets per pallet
Flash-off time	none
Open time	approx. 30 minutes
Load-/stress-resistant	after approx. 12 hours
- on impervious substrates	after approx. 24 hours
Sanding / surface treatment	after 12 hours at the earliest
- on impervious substrates	after 24 hours
Temperature resistance	
- after curing	up to max. +50 °C, can be used on underfloor heating constructions
- for transport	-20 °C to +50 °C
- for storage	+10 °C to +30 °C
Shelf life	at least 12 months in a cool and dry place

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

## CONSUMPTION

	Consumption	Coverage/bucket
Mosaic, on-edge lamella parquet and lamparquet:		
notch size B 3	approx. 900 - 1100 g/m <sup>2</sup>	approx. 18 m <sup>2</sup>
Strip parquet, prefinished/multi-layer parquet up to 1200 mm length, woodblock flooring RE/WE:		
notch size B 11	approx. 1000 - 1200 g/m <sup>2</sup>	approx. 16 m <sup>2</sup>
Larger formats, e.g. solid wood planks and prefinished floorboards:		
notch size B 15	approx. 1200 - 1400 g/m <sup>2</sup>	approx. 13 m <sup>2</sup>
Damping underlays THOMSIT TF 302, TF 303 / 305:		
notch size B2	approx. 750 - 900 g/m <sup>2</sup>	approx. 21 m <sup>2</sup>



Notch size B2



Notch size B3



Notch size B11



Notch size B15

## PREPARATION OF SUBSTRATE

Substrates must meet the requirements of the applicable standards and regulations. In particular, they must be clean, sound, dry and free of cracks and substances that may impair adhesion. New substrates must be thoroughly sanded and vacuumed to free them of dust and adhesion-inhibiting layers. New mastic asphalt screeds must be carefully vacuumed to remove excess quartz sand. Smooth, impervious substrates, e.g. ceramic tiles or terrazzo floors must be stripped and, if necessary, sanded and afterwards vacuumed off. The parquet is bonded on the properly prepared substrate without a priming coat. However, old substrates and mastic asphalt screeds must always be primed with THOMSIT R 755 or THOMSIT R 740 after the necessary mechanical preparation. After priming, they must be covered with flooring within 24 – 48 hours, depending on the primer. On new cement and calcium sulfate screeds, primer THOMSIT R 745 can be used to bind dust. Uneven and old substrates must be primed and then levelled with the recommended THOMSIT levelling compound (layer thickness at least 2 mm).

## APPLICATION PROCEDURE

Apply the adhesive evenly to the substrate using a suitable notched trowel. Only apply as much adhesive as can be covered with parquet within the open time. Ensure good adhesive transfer to the underside of the parquet. Avoid gluing the edges. Observe a minimum wall distance of 10 mm. Immediately after installing the parquet, remove the spacer wedges from the edge joints. Avoid walking on the freshly installed parquet – during the installation and for the first 12 hours after installation.

## 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 %.
- Especially multilayer parquet with MDF/HDF middle layer and solid wood parquet without tongue-and-groove joints have a higher tendency to "buckle" with seasonal fluctuations in humidity (e.g. change from summer to winter). Elastic adhesives cannot completely prevent such effects. In these cases, we recommend using THOMSIT P 690 STRONG or THOMSIT P 625 for shear-resistant bonding.
- Especially with large formats, it may be necessary to apply a levelling compound in order to produce a more even substrate.
- Remove any skin that may have formed on the adhesive (e.g. caused by improper storage). Do not stir it in.
- Prevent the adhesive from penetrating into the parquet joints since interaction with a subsequently applied sealing finish cannot be ruled out.
- Immediately and completely remove fresh spots of adhesive with THOMSIT TRT 10 cleaning cloths or commercial methylated spirits. Also clean the tools with spirits immediately after use. Adhesive contamination in the cured state can only be removed mechanically.
- Tightly close the opened buckets after use and use them up as soon as possible.
- Open time and curing time depend on temperature and relative humidity. They will be shorter at higher temperatures and higher humidity, but longer at lower temperatures and lower humidity.

## TECHNICAL INFORMATION

Make sure to observe the following standards and information sheets:

- DIN 18356 "Laying of parquet flooring and wood block flooring"
- Technical briefing notes issued by Technische Kommission Bauklebstoffe ([klebstoffe.com](http://klebstoffe.com), see "Publications"), in particular TKB-1 "Installation of parquet" and TKB-8 " Assessment and preparation of substrates"
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), [beb-online.de](http://beb-online.de)
- Installation instructions provided by the parquet manufacturers
- Generally recognized rules of the trade for the installation of parquet 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](http://www.thomsit.com).

## PRODUCT SAFETY

Contains trimethoxyvinylsilane, 3-aminopropyltriethoxysilane. May cause allergic reactions. Keep out of the reach of children. Methanol is released during the curing process. Therefore ensure permanent ventilation during application. Wear protective gloves during work. 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. After flooring installation, ventilate the room intensively for several days. Information for allergy sufferers under +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)

GISCODE RS 10	silane-modified polymers, contains methoxy silane
EMICODE EC 1 <sup>PLUS</sup>	very low-emission

## 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.