

Filling Primer

R 790

For renovating old flooring with a high number of joints,
for securing metal brackets



Do not use THOMSIT R 790 on old sulphite liquor adhesives and soft bitumen adhesives. THOMSIT R 790 does not seal against moisture.

FEATURES AND BENEFITS

- Joint filling and priming in one step
- Accelerated drying
- Fiber-reinforced
- Adjustable consistency
- Especially suited for wooden floorboards and ceramic tiles

FIELDS OF APPLICATION

Very low-emission, two-component special cement primer based on a polymer dispersion that can be used as a joint filler and bonding course for THOMSIT levelling compounds and for firmly securing metal brackets on absorbent and impervious substrates such as:

- boarded floors, chipboards V 100, OSB boards, parquet and other wooden floors with joints
- insufficiently sanded mastic asphalt screeds
- stone floors and ceramic tiles
- coatings
- firmly adhering old PVC/CV flooring with a textured surface
- cement and calcium sulfate screeds and concrete floors
- magnesia screeds and stonewood screeds
- old substrates (made of the above materials) with firmly adhering, waterproof residues of adhesives and levelling compounds.

Do not use THOMSIT R 790 on sulfite liquor and soft bitumen adhesives. The filling primer does not seal against moisture. THOMSIT R 790 meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

	Component A	Component B
Color	white	dark grey
Consistency	liquid	powder
Packaging	plastic bucket, 14 kg comp. A + B	
Shipping unit	16 buckets per pallet	
Components	two components	
Mixing ratio	4.5 : 9.5 (A : B) parts by volume	
Pot life	approx. 40 minutes	
Curing time	approx. 90 minutes	
Temperature resistance		
after curing	up to +50° C, can be used on underfloor heating constructions	
for transport	+5 °C to +50 °C, protect against frost	
for storage	+10 °C to +30 °C	
Shelf life	at least 12 months, cool and dry	

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

CONSUMPTION

	Consumption	Coverage / bucket
Wooden substrates	approx. 200 – 800 g/m ²	approx. 17.5 to 70 m ²
Other substrates	approx. 200 – 400 g/m ²	approx. 35 to 70 m ²
With use of TF 300 / TF 310 / TF 320	approx. 1.3 - 1.5 kg/m ²	approx. 9 - 11 m ²

Consumption may vary depending on e.g. joint width, joint depth etc. in the substrate.

PREPARATION OF SUBSTRATE

Substrates must comply the requirements of ATV DIN 18 365 "Flooring work" or ATV DIN 18 356 "Wood flooring work" or comparable national standards. In particular they must be clean, free from structural defects, firm, permanently dry and free of release agents. In case of cement-based substrates, any laitance must be removed using suitable machines. Always grind calcium-sulphate screeds and vacuum clean. Strip dense, smooth substrates, like ceramic tiles, firmly adhering coatings and old coverings and grind if necessary. For wooden substrates, e.g. boards or planks, grind the surface, then tighten all screws. For stonewood and magnesia screeds, remove all traces of release agents before using THOMSIT R 790.

APPLICATION PROCEDURE

The two components of THOMSIT 790 contained in the original bucket are supplied in the proper mixing ratio. Open the canister containing the polymer dispersion (liquid component) and pour it into the plastic bucket, then add the two bags with special cement (powder component) while stirring with a slow-running hand drill equipped with a stirrer attachment. After that, continue to mix carefully for at least 2 minutes. Apply a thin layer of THOMSIT R 790 on the substrate using a float (smoothing trowel). In order to facilitate the filling of wide joints and to produce a more paste-like consistency, up to 5 kg of THOMSIT levelling compound (DX or XXL Power) can be added to the mixture per 14 kg container of THOMSIT R 790.

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 %.
- Remove fresh spots of product immediately with a damp cloth. Clean equipment with water immediately after use.
- Keep containers tightly closed when not in use, and use up the contents quickly.
- Do not use under elastic parquet adhesives.
- For layer thicknesses of more than 10 mm, use THOMSIT R 755 sprinkled with quartz sand.
- The pot life and curing time depend on the temperature, relative humidity and absorbency of the substrate. These times will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with non-absorbent substrates.

PRODUCT SAFETY

Liquid component A

Treated goods according to Regulation (EU) No. 528/2012: Contains Bronopol. Contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2hisothiazol-3-one (3:1). Can cause allergic reactions.

Contains biocide (in-can preservative).

Keep out of the reach of children. Ensure adequate ventilation during processing and drying. Eating, drinking and smoking should be avoided while the product is being processed. Protect skin and eyes. In case of contact with eyes or skin, rinse immediately with plenty of water. In case of eye contact, also consult a doctor.

Information for allergy sufferers: +49 821/59 01-0.

Take off contaminated clothing and wash before reuse. Containers that have been opened must be sealed airtight immediately. Clean tools with water immediately after use. Further information can be found in the safety data sheet at www.thomsit.com.

Powder component B

Contains: Portland cement

Causes serious eye damage. Causes skin irritation.

Keep out of the reach of children. Wear protective gloves (e.g. cotton gloves soaked in nitrile), eye/face protection and long trousers. The longer fresh material is left on your skin, the greater the risk of serious skin damage. Keep children away from fresh material.

Ensure thorough ventilation during and after processing and drying. Avoid eating, drinking and smoking while processing the product. (Avoid breathing dust.) If in eyes: Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing. Get medical advice/attention immediately. If inhaled: Remove to fresh air and keep at rest in a position that makes breathing easier. In case of skin contact: Wash with plenty of water and soap and then apply nourishing skin cream (pH value approx. 5.5). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Clean tools with water immediately after use. Do not allow to enter drains, waterways or soil. Only empty containers for recycling. Dried material residues can be disposed of as household waste. Store dry and cool. Containers that have been opened must be sealed airtight immediately.

The product is non-flammable. Therefore, no special fire protection measures are required.

Water hazard class: 1 (self-assessment).

Department providing information: Product Safety / Environmental Department Tel.: 08 21/ 59 01-0.

Further information can be found in the safety data sheet. Safety data sheet available at www.thomsit.com.

GISCODE	Komp. A: D 1	solvent-free acc. to TRGS 610
	Komp. B: ZP 1	low chromate content acc. to regulation 2003/53/EG
EMICODE EC 1 ^{PLUS}		very low emissions

TECHNICAL INFORMATION

Please follow the instructions in the following information sheets:

- Briefing notes on the "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de)
- Briefing notes on the "Assessment and treatment of the surfaces of calcium sulphate flowable screeds" issued by Industrieverband Werkmörtel e. V. (www.iwm.de)
- "Preparation of screeds for floor covering work" issued by Bundesverbands der deutschen Mörtelindustrie e.V., Duisburg
- Briefing notes from the Technical Commission for Building Adhesives (www.klebstoffe.com, see "Publications")
- Recognized rules of the trade as well as the respective 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.

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.