

1-Component PUR Fast Barrier Primer

R 740

For absorbent and impervious substrates



FEATURES AND BENEFITS

- Multi-purpose use
- Prevents plasticizer migration
- Reliably seals against moisture
- Fully cured after just one hour

FIELDS OF APPLICATION

Very low-emission, water-free, one-component polyurethane primer that can be used as a:

- plasticizer barrier for old substrates and mastic asphalt before the direct bonding of parquet with elastic parquet adhesives
- protection of moisture-sensitive substrates, e.g. firmly adhering residues of adhesives and levelling compounds, prefabricated screeds made of plasterboards/fiberboards, wooden substrates, magnesia screeds
- barrier against capillary rise of moisture or residual moisture in cement screeds with a moisture content of up to 4% CM (heated cement screeds: 3% CM) and for concrete floors up to 5 wt-%

THOMSIT R 740 offers versatile use as a fast-drying primer before applying levelling compounds on absorbent and impervious substrates. It can also be applied before the direct bonding of parquet with reaction resin adhesives. It is also suitable for strengthening highly absorbent and not sufficiently stable or dusting substrates.

THOMSIT R 740 meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

Supplied as	brown-transparent, liquid
Packaging	plastic canister, 12 kg
Shipping unit	60 canisters per pallet
Curing time	approx. 60 – 90 minutes
Temperature resistance	
after curing	up to max. 50° C, can be used on underfloor heating constructions
transport	+5 °C to +50 °C

during storage	+10 °C to +30 °C
Shelf life	12 months, cool and dry

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

CONSUMPTION

	Consumption	Coverage per bucket
Shortpile/foam roller	80 – 120 g/m ²	approx. 120 m ²
Lambskin roller	100 – 150 g/m ²	approx. 100 m ²

PREPARATION OF SUBSTRATE

Substrates must meet the general technical specifications for building works (ATV) of DIN 18 365 "Flooring works" resp. those of DIN 18 356 "Parquet works" or comparable national standards. In particular they must be clean, free from structural defects, firm and free of substances which may impair adhesion. Mechanically remove old coverings and all residues of adhesives and screeding compounds that do not firmly adhere to the substrate. Brush and vacuum off concrete floors, remove any cement laitance. Always grind and vacuum off calcium sulphate screeds. Magnesium oxychloride and magnesia screeds must be shot blasted or milled. Preclean stone and tile floors and sand them down if necessary. Before applying THOMSIT R 740 as a barrier against capillary rise of moisture or residual moisture, the moisture-resistant substrate must be completely freed from all adherent residues, dirt or other soiling (if necessary shot blast or mill the surface).

APPLICATION PROCEDURE

Apply a thin, uniform priming coat with a suitable roller. Avoid pooling of excess primer on the surface. When sealing the substrate against capillary rise of moisture or residual moisture in concrete floors or cement screeds, it is always necessary to apply a 2nd coat crosswise after the 1st one has dried (after 24 hours at the latest). The total amount of primer applied must be approx 250 g/m².

Subsequent application of levelling compound

In the case of layer thicknesses of up to 10 mm, grind THOMSIT R 740 after curing with a black pad and pretreat with THOMSIT R 766, undiluted, or THOMSIT R 790. For layer thicknesses of more than 10 mm, use THOMSIT R 755 sprinkled with quartz sand instead of the PUR primer.

Subsequent direct bonding

If no further levelling work needs to be done, the floor covering or wood flooring can be installed directly within 24 hours after applying the last priming coat. Make sure to use only THOMSIT reaction resin adhesives for bonding wood flooring (parquet).

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 %.
- Immediately remove fresh spots of adhesive with industrial spirit (alcohol). Also clean tools immediately after use with spirit. Cured product residues can only be removed by mechanical means.
- Keep containers tightly closed when not in use, and use up the contents quickly.

- The curing time depends on ambient temperature and relative air humidity. High temperatures and humidity shorten the curing time whereas low temperatures and humidity lengthen it.
- THOMSIT R 740 is not a substitute for waterproofing as defined in DIN 18195.

PRODUCT SAFETY

FOR COMMERCIAL/INDUSTRIAL USE ONLY

Contains: Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol, diphenylmethane-4,4'-diisocyanate (MDI)

Causes serious eye irritation. Causes skin irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Can cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Suspected of causing cancer.

Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. In case of insufficient ventilation wear respiratory protection. Do not wear contaminated work clothing outside of the workplace.

Wash thoroughly after use with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing. If eye irritation persists: Get medical advice/attention. After skin (or hair) contact:

Wash/shower with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated

clothing and wash before reuse. If inhaled: Remove person to fresh air and keep breathing unhindered. If exposed or concerned: Call a poison control center or doctor. Store in a well-ventilated place. Keep container tightly closed. Store under lock and key. Dispose of contents/container to hazardous waste disposal.

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

The following information sheet from the trade association for the construction industry, Bau-BG must be observed:

Leaflet: BGI 524 Hazardous Substances in Polyurethane Production and Processing/Isocyanates (M 044). This leaflet can be obtained, for example, from Carl Heymanns Verlag KG, Luxemburger Straße 449, 50939 Cologne, or from Wiley-VCH Verlag GmbH, Pappelallee 3, 69469 Weinheim, as well as from the responsible professional associations.

GISCODE RU 1

solvent-free according to TRGS 610

EMICODE EC 1^{PLUS}R

very low-emission

TECHNICAL INFORMATION

Please also 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 screed" issued by Industrierverband WerkMörtel e.V. (www.iwm.de)
- "Preparation of screeds for floor covering work" issued by Bundesverband des Industrierverbands Werkmörtel e.V., Duisburg.
- Briefing notes of the Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publications")
- Generally recognized rules of flooring technology 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.

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.