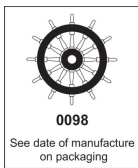


## Epoxy Safety Primer

# R 755

For difficult substrates and heavy-duty service conditions



## FEATURES AND BENEFITS

- Reliable barrier effect against residual moisture, no limitation of maximum residual moisture level
- Excellent adhesion, even on slightly damp surfaces
- Prevents plasticizer migration
- Highly stress-resistant, suitable for industrial use
- Multi-purpose use, also for PAH decontamination

## FIELDS OF APPLICATION

Very low-emission, two-component epoxy resin primer that can be used as a:

- barrier against capillary rise of moisture or residual moisture in unheated cement screeds and concrete floors without limitation of the maximum permissible residual moisture
- barrier against excessive moisture in heated screeds with a maximum residual moisture of 6% CM / KRH 98% relative humidity
- plasticizer barrier for old substrates and mastic asphalt before the direct bonding of parquet with elastic parquet adhesives
- protection of moisture-sensitive substrates such as firmly adhering residues of adhesives and levelling compounds, prefabricated screeds made of plasterboards/fiberboards, wooden substrates, magnesia screeds and magnesium oxychloride screeds
- Suitable as a strengthener for highly absorbent and not sufficiently stable or dusting substrates.
- binder for producing epoxy resin mortars and screeds in combination with THOMSIT QS 10/QS 20 quartz sand
- bonding bridge "wet-on-wet" when connecting new screeds to existing surfaces.

Well-proven on difficult substrates and as adhesion promoter on natural stone and tile floors, metals, mastic asphalt screeds etc., also when expecting high loads and stresses. THOMSIT R 755 is not a waterproofing product according to DIN 18533 and DIN 18534.

THOMSIT R 755 has been approved and certified as a marine equipment item according to the EU Marine Equipment Directive (MED), issued and monitored by the certification body DNV GL, modules B and D.

THOMSIT R 755 meets the highest requirements for occupational safety, room air quality and environmental compatibility.

## TECHNICAL DATA

	Component A	Component B
Color	bright-yellow	yellow-brown
Consistency	viscous fluid	non-viscous fluid
Packaging	7 kg canister, component A + B, 39 canisters per pallet 21 kg pail, component A + B, 11 pails per pallet	
Components	two	
Mixing ratio	5 : 2 (A : B) parts by weight	
Pot life	approx. 40 minutes	
Curing time	approx. 12 hours	
Temperature resistance		
- after curing	up to max. +80° C, can be used for 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 per coat	Coverage per 7 kg / 21 kg
Lambskin roller	approx. 300 g/m <sup>2</sup>	approx. 23.3 m <sup>2</sup> / approx. 70 m <sup>2</sup>
Notched trowel		
TKB B1	approx. 300 g/m <sup>2</sup>	approx. 23.3 m <sup>2</sup> / approx. 70 m <sup>2</sup>
TKB B2	approx. 500 g/m <sup>2</sup>	approx. 14 m <sup>2</sup> / approx. 42 m <sup>2</sup>

## 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, sound, free of cracks and substances that may impair adhesion. Mechanically remove old coverings and all residues of adhesives and levelling compounds that do not firmly adhere to the substrate. Always sand down calcium sulfate screeds and vacuum off the surface. Sandblast or mill magnesite and stonewood screeds. Metals, stone and tile floors must be stripped and ground if necessary. When using THOMSIT R 755 as a barrier against the capillary rise of moisture, the moisture-resistant subfloor must be completely freed of adhering residues of dirt or other soiling (e.g. by sandblasting or milling).

The surface of the young screed or concrete must be free of laitance accumulations and/or standing water and must be only slightly damp. It is always necessary to carry out a clean-grinding step to ensure sufficient and uniform adhesion of the primer. Joints, which need to be closed by force-fit, must be expertly sealed with THOMSIT R 727 or THOMSIT R 755 prior to the full-surface application of THOMSIT R 755. After that, the first barrier coat of THOMSIT R 755 can be applied wet-on-wet.

## APPLICATION PROCEDURE

The primer consists of resin and hardener supplied in separate compartments of a tin canister. Use a sharp, pointed tool to punch several holes through the plastic plug of the upper compartment and through the bottom of the lid below. Slightly lift the upper container so that the hardener can run completely through the holes into the canister below. Then mix resin and hardener thoroughly for at least 2 minutes using a hand drill with a stirrer attached. Apply a generous coat of THOMSIT R 755 with a lambskin roller or apply the desired quantity with a notched trowel. For blocking the capillary rise of moisture or residual moisture in concrete floors or cement screeds, it is usually necessary to apply a second coat crosswise not later than 48 hours after the first coat has dried unless the required quantity is applied in one single operation.

### Before applying a levelling compound

**If the layer thickness of the levelling compound is less than 10 mm:** After hardening, roughen the THOMSIT R 755 coat with a black stripping pad and pretreat it with a coat of undiluted THOMSIT R 766 Multi-Purpose Primer. Alternatively, apply a thin coat of THOMSIT R 790 Filling Primer as a bonding course.

**If the layer thickness of the levelling compound is more than 10 mm:** Always sprinkle the still liquid THOMSIT R 755 priming coat with THOMSIT QS 10 quartz sand (at least 2 kg/m<sup>2</sup>). When using THOMSIT R 755 as a moisture barrier (2 coats required), only sprinkle the second coat with sand. After hardening of the priming coat(s), remove any loose sand particles by grinding and thoroughly vacuum them off.

### Before applying an adhesive

If there is no need for a levelling compound, the floor covering or parquet can be bonded directly to the primed surface within 48 hours after the last THOMSIT R 755 coat was applied. There is no need for another priming coat or for sanding. Before applying the adhesive, the epoxy resin film must be roughened with a black stripping pad. Only use THOMSIT reaction resin adhesives for bonding 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, priming coats 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 product stains with commercial methylated spirit. Also clean the tools with spirit immediately after use. Hardened product residues can only be removed mechanically.
- Do not scrape the product remains from the canister.
- Pot life and curing time of the primer depend upon temperature. They will be shorter at higher temperatures and longer at lower temperatures.
- THOMSIT R 755 does not replace the waterproofing measures specified by DIN 18195.
- In case of poisoning accidents, contact Occupational Safety and Environmental Protection on +49 821/59 01-0 or the emergency on-call service on +49 180 2273-112.

# PRODUCT SAFETY

## FOR COMMERCIAL / INDUSTRIAL USE ONLY

### Basic component (component A)

Contains bisphenol A/F epichlorohydrin resins, C12/C14 alkyl glycidyl ether.

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Avoid release to the environment. Wear protective gloves and eye protection/face protection. Do not breathe vapors. Wash thoroughly after use with plenty of soap and water. Do not wear contaminated work clothing outside of the workplace. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a Poison Center or doctor / physician. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. Dispose of contents / container to hazardous waste disposal plant.

### Hardener (component B)

Contains: Polyoxypropylene diamine, 3-aminomethyl-3,5,5-trimethyl-cyclohexylamine, m-phenylenbis(methylamine), 2-piperazin-1-ylethylamine, 2,4,6-tris(dimethylaminomethyl) phenol.

Harmful if swallowed. May cause allergic skin reaction. Can cause damage to organs through prolonged or repeated exposure. Suspected of affecting fertility. Causes severe skin burns and severe eye damage. Toxic to aquatic life with long lasting effects.

Avoid release to the environment. Wear protective gloves and eye protection /face protection. Do not breathe vapors. Do not eat, drink or smoke when using this product. Wash thoroughly after use with plenty of soap and water. Contaminated work clothing should not be allowed out of the workplace. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor / physician. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: rinse mouth. Do not induce vomiting. Take off contaminated clothing and wash before reuse. Collect spillage. Dispose of contents / container to hazardous waste disposal plant.

For further information please refer to the Safety Data Sheet which is available on [www.thomsit.com](http://www.thomsit.com).

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

Practical guidelines for handling epoxy resins, published by the trade association for the construction industry [www.bgbau.de](http://www.bgbau.de) or [www.gisbau.de](http://www.gisbau.de).

BGR 227, activities with epoxy resins, published by the main association of commercial professional associations [www.dguv.de](http://www.dguv.de). Further information at [www.gisbau.de](http://www.gisbau.de) and <http://www.gisbau.de/wingis/wingis1.html>

Info hotline security: Phone +49 (821) 5901-0

GISCODE RE 55

solvent-free, sensitizing

EMICODE EC 1<sup>PLUS</sup>

very low emission

## TECHNICAL INFORMATION

The following standards and technical information sheets must be observed:

- Briefing Notes on the "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V (BEB), Troisdorf ([www.beb-online.de](http://www.beb-online.de))
- "Assessment and treatment of the surfaces of calcium sulfate flowable screeds" issued by Industrierverband WerkMörtel e.V., Duisburg
- "Preparation of screeds for floor covering work" issued by Bundesverband des Industrierverbands Werkmörtel e.V., Duisburg
- Technical Briefing Notes issued by Technische Kommission Bauklebstoffe ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
- Generally recognized rules of the trade for flooring works 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).

## 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.

### PCI Augsburg GmbH

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[www.thomsit.com](http://www.thomsit.com)

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.