For difficult substrates and heavy-duty service conditions

**R 755 Epoxy Safety Primer**

- Highly efficient barrier against residual moisture
- Extremely resistant to stresses
- Very good adhesion
- Can be used for PAH decontamination
- Very low emissions

**Scope of use**

Very low emission, two-component epoxy resin primer used for:
- Sealing against capillary rise of moisture or residual moisture in cement screeds with a moisture content up to 6 % CM and concrete floors with a moisture content up to 7 % CM.
- Sealing old, existing substrates and mastic asphalt before direct bonding with elastic wood flooring adhesives (plasticizer barrier).
- Protecting moisture-sensitive substrates such as firmly adhering adhesive residues, dry building boards, wooden substrates, magnesium screeds and magnesium oxychloride screeds.
- As binder for producing epoxy resin mortars and epoxy resin screeds used in conjunction with Thomsit QS 10 / QS 20 quartz sand.

**Technical data**

<table>
<thead>
<tr>
<th></th>
<th>Component A</th>
<th>Component B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplied as</td>
<td>bright-yellow viscous fluid</td>
<td>yellow-brown non-viscous fluid</td>
</tr>
<tr>
<td>Packaging</td>
<td>tin canister, 7 kg / 21 kg</td>
<td></td>
</tr>
<tr>
<td>Shipping unit</td>
<td>39 x 7 kg canister per pallet</td>
<td>11 x 21 kg canister per pallet</td>
</tr>
<tr>
<td>Mixing ratio A : B</td>
<td>5 : 2 parts by weight</td>
<td></td>
</tr>
<tr>
<td>Pot life</td>
<td>approx. 40 minutes</td>
<td></td>
</tr>
<tr>
<td>Working time</td>
<td>approx. 60 minutes</td>
<td></td>
</tr>
<tr>
<td>Curing time</td>
<td>at least 12 hours</td>
<td></td>
</tr>
<tr>
<td>Temperature resistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>after curing</td>
<td>up to max. +80 °C</td>
<td></td>
</tr>
<tr>
<td>transport</td>
<td>−20 °C to +50 °C</td>
<td></td>
</tr>
<tr>
<td>storage</td>
<td>+10 °C to +30 °C</td>
<td></td>
</tr>
<tr>
<td>Shelf life</td>
<td>12 months, cool and dry</td>
<td></td>
</tr>
</tbody>
</table>

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**

- **lampskin roller**: approx. 300 g/m² per coat
- coverage / canister 7 kg: 23 m²
- coverage / canister 21 kg: 70 m²
- The product has proven itself on difficult substrates and as adhe-
sion promoter on stone and tile floors, mastic asphalt screeds,
metal surfaces etc. and when expecting that the floor will be sub-
tect to high stresses. Also suitable for strengthening highly absor-
bent and not sufficiently stable (crumbling, sanding) substrates.
The product does not replace the waterproofing measures specified
by DIN 18195, part 5 (or national equivalents).

In conjunction with Thomsit QS 10 and Thomsit QS 20, Thomsit
R 755 primer can also be used for producing epoxy resin mortars
and epoxy resin screeds.

Thomsit R 755 is a component part of the system "Primary Decks
Covering", consisting of Thomsit DS 40, Thomsit R 755 and
Thomsit QS 10. This system has been certified by the "BG-Verkehr
Dienststelle Schiffsicherheit Hamburg" (Employers’ Liability Insu-
rance Association for Transport and Traffic, Ship Safety Division,
Hamburg/Germany) to meet the requirements of marine equip-
ment, modules B and D. Certificates and declaration of conformity
are available on request or on www.thomsit.de. The approved layer
thickness is 3 to 40 mm. EC0736/113.107.

Substrate preparation

The substrates must meet the requirements of ATV DIN 18365
“Flooring work” and ATV DIN 18356 "Parquet work" (or compa-
rable national standards). In particular, they must be clean, crack-
free, sound, dry, and free of substances that would impair adhesion.
Mechanically remove old coverings and all residues of adhesives
and screeding compounds that do not firmly adhere to the sub-
strate. Always sand down calcium sulphate screeds and vacuum off
the surface. Sandblast or mill magnesium oxychloride and magne-
sia screeds. Strip metal, stone and tile floors and grind if necessary.

When using R 755 as a barrier against the capillary rise of mois-
ture, the moisture-resistant subfloor must be completely freed (e.g.
by sandblasting/milling) of any tenacious soiling.

Application

The primer consists of a resin and a hardener supplied in separate
compartments of a tin canister. Use a sharp, pointed tool to punch
several holes through the plastic plug and the bottom of the top
container which acts as a lid. Lift the top container slightly to allow
the hardener to drain completely into the canister below. Then
carefully mix resin and hardener using a hand drill with stirring
attachment for at least 2 minutes. If available, use a continuously
adjustable stirrer.

Apply a generous coat of Thomsit R 755 with a lambskin roller.

For blocking the capillary rise of moisture or residual moisture in
concrete floors or cement screeds, a second coat must be applied
crosswise not later than 48 hours after the first coat has dried.

Before applying a levelling compound:
After the R 755 primer coat has become thoroughly hard and dry,
and pre-treat it with a coat of undiluted Thomsit R 766 Multi-
Purpose Primer. Alternatively, sprinkle the still tacky R 755 primer
coat with Thomsit QS 10 Sprinkling Sand (at least 2 kg/m²). When
using R 755 as a moisture barrier (2 coats required), only sprinkle
the second coat with sand. After the Thomsit R 755 primer coat has
fully dried, remove any loose sand particles by grinding and tho-
roughly vacuum them off.

Before applying an adhesive:
If there is no need for a levelling compound, the floor covering or
parquet can be fixed directly on the primed surface without prior
sanding. Bonding must be done within 48 hours after the last
Thomsit R 755 prime coat was applied. Only use Thomsit reaction
resin adhesives for bonding parquet. 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).
Important information

• 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%.
• Do not scrape the product remains from the bucket.
• Immediately after use clean the tools with industrial spirit (alcohol).
• Make sure to wear suitable protective clothing when working with the products.
• Refer to the Safety Data Sheet (chapter 8) for information on suitable protective gloves.
• Pot life and curing time of the primer depend on the temperature. They will be shorter at higher temperatures and longer at lower temperatures.

Product safety

In the uncured state, Thomsit R 755 is a hazardous substance. For safety instructions please refer to the Safety Data Sheet. After curing, Thomsit R 755 does no longer pose a health hazard. 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.
Safety data sheet available on www.thomsit.com

Technical information

Please also follow the instructions in the following information sheets:
1. "Assessment and preparation of substrates" issued by the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.bebonline.de).
2. Briefing notes of the Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publications")
3. Installation as well as cleaning and care instructions of the flooring manufacturers.
4. Generally recognized rules of flooring technology as well as the applicable national standards.

Disposal

Do not discharge the product into surface waters, sewer systems or soil. Return the completely emptied containers (drip-dry and open) for recycling according to the applicable regulations. European waste code number (EWC): 08 04 09

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.