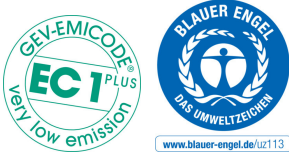


Dispersion-based barrier primer

R 745

for unheated cement screeds with a moisture content up to 3 CM %



FEATURES AND BENEFITS

- Reliable barrier effect up to 3 % CM residual moisture
- Fast drying
- Very high yield
- No need for additional primig or quartz sand sprinkling
- Suitable for use under parquet

FIELDS OF APPLICATION

Very low-emission dispersion primer that can be used as a:

- barrier primer on unheated and heated, moisture-resistant cement screeds up to 3% CM residual moisture
- dust-binding primer on dry calcium sulfate and cement screeds before direct bonding with elastic THOMSIT parquet adhesives.

Do not use on sulfite liquor and soft bitumen adhesives. THOMSIT R 745 does not replace the waterproofing measures specified by DIN 18533 and DIN 18534.

TECHNICAL DATA

Color / consistency	white / liquid
Pack size	PE canister, 10 kg
Shipping unit	60 canisters per pallet
Barrier primer: drying time before application of a levelling compound:	
1st coat 1 : 1 diluted	approx. 1 hour
2nd coat undiluted	approx. 2 hours
Barrier primer: drying time before direct bonding of floor coverings:	
1st coat 1 : 1 diluted	approx. 1 hour

2nd coat undiluted	approx. 10 hours
Drying time before the direct bonding of floor coverings (only as dust binder):	
Diluted at a ratio of 1 : 5	approx. 4 hours
Temperature resistance	
Temperature range for transport	+5 °C to +50 °C, protect against frost
Temperature range 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 and 50 % rel. humidity). Please note that under other climatic conditions curing and drying may be accelerated or delayed.

CONSUMPTION

Consumption	Coverage / canister
When used as a moisture barrier on cement screeds	
1st coat 100 - 120 g/m ² , diluted at a ratio of 1 : 1	approx. 65 m ² = 160 g/m ² of THOMSIT R 745
2nd coat 100 - 120 g/m ² , undiluted	
When used as a dust binder before the direct bonding of flooring	
100 - 120 g/m ² , diluted at a ratio of 1 : 5	approx. 450 m ² = approx. 20 - 25 g/m ² of THOMSIT R 745

PREPARATION OF SUBSTRATE

Substrates must meet the requirements of the applicable standards and regulations. In particular, they must be clean, sound and free from cracks and release agents. Screeds must be absorbent. In the case of cementitious substrates, always mechanically remove unstable and adhesion-inhibiting layers as well as layers that are not resistant to moisture. Always grind calcium sulfate screeds and vacuum off the dust.

APPLICATION PROCEDURE

Shake the canister well before use. When using THOMSIT R 745 as a barrier primer on cement screeds with increased residual moisture, it is always necessary to apply 2 coats. For the first coat, dilute THOMSIT R 745 with water at a ratio of 1 : 1 and apply a uniform coat with a short-pile nylon paint roller. After approx. 1 hour drying time, apply the second coat undiluted with crosswise movements. When using THOMSIT R 745 as a dust binder on dry screeds before fixing parquet directly with elastic THOMSIT parquet adhesives on top, dilute the primer with water at a ratio of 1 : 5 and apply a uniform coat on the substrate. Avoid pooling (formation of puddles) by all means. Clean the tools with water and soap after use.

PLEASE NOTE

- Do not use THOMSIT R 745 as a moisture barrier on concrete or bonded screeds.
- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and leveling 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 %.
- Only dilute the primer with clean water.
- Immediately remove fresh product stains with a damp cloth. Clean the tools with water immediately after use.
- Tightly close the opened canister and use the content up as soon as possible.

- Levelling work should be carried out within 12 hours after application of the primer.
- If the layer thickness of the leveling compound is more than 10 mm, use THOMSIT R 755 primer and sprinkle it with quartz sand
- Apply the anhydrite leveling compounds THOMSIT AS 1 RAPID and THOMSIT AS 2 with a max. layer thickness of 5 mm on THOMSIT R 745.
- The drying time depends on temperature, relative humidity and substrate absorbency. It will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and on non-absorbent substrates.

TECHNICAL INFORMATION

Please refer to the following information sheets:

- DIN 18365 "Flooring work"
- DIN 18356 "Parquet work"
- Technical Briefing Notes issued by Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publications")
- Information sheets issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf/Germany for the assessment and preparation of substrates (www.beb-online.de)
- "Assessment and treatment of the surfaces of calcium sulfate flow screeds" issued by Industrieverband WerkMörtel e.V.
- 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.

PRODUCT SAFETY

Keep out of the reach of children. Ensure adequate ventilation during application and drying. Eating, drinking and smoking should be avoided while working with the product. In case of contact with skin or eyes, rinse immediately with plenty of water. Information for allergy sufferers on +49 821/5901-0.

For further information please refer to the Safety Data Sheet which is available on request on www.thomsit.de.

Ingredients: polyvinylidene chloride dispersion, emulsifiers, anti-foaming agent, water

GISCODE D 1

Solvent-free acc. to TRGS 610

EMICODE EC 1

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.