

## Fine repair compound

# RS FIX

for rapid smoothing/filling (layer thickness 0 – 4 mm) and  
for fixing metal brackets



For use in dry indoor areas only. THOMSIT RS FIX meets the highest requirements for occupational safety, indoor air quality and environmental compatibility.

## FEATURES AND BENEFITS

- Can be feather-edged
- Ultra-smooth surface
- Very quickly ready to receive flooring
- Suitable for virtually all substrates

## FIELDS OF APPLICATION

Very fine, rapid-setting, cementitious repair and scratch mortar of high polymer content for smoothing uneven surfaces or trowel marks, for filling small surface defects and joints in tiled or boarded floors, for levelling height differences and transitions, and for fixing metal brackets. THOMSIT RS FIX can be used on suitable substrates such as:

- screeds and concrete
- dry screed elements
- ceramic tiles, natural stone and terrazzo
- prefabricated substrates, chipboards (P4 to P7) and OSB boards (OSB/2 to OSB/4)
- old substrates (made of the above materials) with firmly adhering, waterproof residues of adhesives and levelling compounds.

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## TECHNICAL DATA

Supplied as	grey powder
Packaging	PP bucket, 5 kg
Shipping unit	33 bags per pallet
Amount of gauging water	approx. 1.6 – 1.8 l per 5 kg
	approx. 330 – 360 ml per 1 kg
Working time	approx. 5 minutes
Ready for foot traffic	after approx. 30 minutes
Ready to covering	
for floor coverings	after approx. 30 minutes
for parquet, cork, laminate	after approx. 12 hours
Shelf life	min. 6 months, cool and dry

The above times are based on normal climatic conditions (23 °C / 50 % rel. air humidity). Other climatic conditions can cause a lengthening or shortening of cure and drying times.

## CONSUMPTION

Per 1 mm layer thickness	approx. 1.2 kg/m <sup>2</sup>
Coverage of a 5 kg bag	
2 mm layer thickness	approx. 2.1 m <sup>2</sup>

## PREPARATION OF SUBSTRATE

Substrates must comply with the requirements of the applicable standards and regulations or comparable national standards. In particular they must be clean, free from structural defects, firm, permanently dry, and free of release agents. Unstable and adhesion-reducing layers and layers that are not resistant to moisture must always be removed by machine and vacuumed off.

The following maximum permissible residual moisture contents must always be observed (indicated in % CM):

Screed type	Resilient and textile flooring, parquet and other wood flooring, laminate	
	Heated	Unheated
Cement screed	1.8 %	2.0 %
Calcium sulfate screed	0.3 %	0.5 %

The ingress of moisture into the floor structure must always be prevented by suitable measures (e.g. waterproofing membranes, barrier primers). This applies in particular to composite structures and concrete floors. In the case of cement-based substrates, any laitance must be removed using suitable machines. Always grind calcium sulfate screeds and vacuum clean. Dense, smooth surfaces, e.g. ceramic tiles, must be thoroughly cleaned and roughened. Normally no priming is required. Special substrates such as synthetic resin coatings, painted surfaces and plastic materials must be primed with THOMSIT R 766. If in doubt, apply the product on a test area.

## APPLICATION PROCEDURE

Fill a clean mixing container with approx. 1.6–1.8 liters of clean water and add 5 kg of THOMSIT RS FIX. Use a suitable stirrer and stir for about 1 minute until the mixture is lump-free. The repair compound has an easily workable, lump-free consistency which can be applied within a working time of approx. 5 minutes. Partial quantities can also be mixed by hand. For this purpose, mix 1 kg of powder with 330–360 ml of water until lump-free. Apply the repair compound with a smoothing trowel to the desired layer thickness. On non-absorbent substrates apply a layer of at least 1 mm thickness.

## 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 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 %.
- Wait until the applied product is completely dry before continuing with the next steps. For this purpose, ensure favorable climatic conditions (recommended: 50 % rel. humidity, 20 °C) and adequate air circulation.
- Risk of cracking if water is removed too quickly (heated rooms or highly absorbent surfaces)! The fresh leveling layer must be protected from drying out too quickly and, if possible, covered with floor coverings within 14 days. If it is not possible to cover the surface within this period suitable measures, e.g. protective film, must be taken to protect the surface from drying out too quickly or from precipitation.
- Protect the freshly levelled surface from direct sunlight and draughts.
- Do not mix THOMSIT RS FIX with other levelling compounds.
- Apply a fairing coat, at least 1 mm thick, to non-absorbent substrates.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.
- Do not use THOMSIT RS FIX for producing screeds or as a wearing surface.
- Clean the tools with water and soap immediately after use.
- Close the opened bags tightly after use and use them up as soon as possible.


## TECHNICAL INFORMATION

Please follow the instructions in the following information sheets:

- DIN 18365 "Floor covering work"
- DIN 18356 "Parquet work"
- "Assessment and preparation of substrates", TKB-8 leaflet issued by Industrieverband Klebstoffe, Düsseldorf
- "Technical description and processing of floor leveling compounds", TKB-9 leaflet issued by Industrieverband Klebstoffe, Düsseldorf
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf, ([www.beb-online.de](http://www.beb-online.de))

## 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).

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<b>THOMSIT RS FIX (DE0521/02)</b> <b>Reparaturfeinspachtel</b> <b>EN 13813:2002</b>	
Cementitious screed material for use internally in buildings EN 13813 CT-C25-F7 ; Polymer-modified	
Reaction to fire	A2fl-s1
Release of corrosive substances	CT
Compressive strength	C25
Flexural strength	F7

## DECLARATION OF PERFORMANCE

The Declaration of Performance can be downloaded as pdf file under [www.thomsit.com](http://www.thomsit.com).

## PRODUCT SAFETY

Contains: Portland cement.

Causes severe eye damage. Causes skin irritation. Keep out of the reach of children. Wear waterproof, heavy-duty protective gloves, eye/face protection. In case of contact with eyes: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing. Seek medical advice/medical attention immediately. In case of contact with skin: Wash with plenty of soap and water. If skin irritation occurs: Seek medical advice/attention. Provide thorough ventilation during processing and drying. Avoid eating, drinking and smoking while processing the product. Wear long pants. Keep children away from fresh material. The longer fresh material remains on the skin, the greater the risk of serious skin damage. Information for allergy sufferers under telephone no. + 49 821 5901-0.

Further information is available in the safety data sheet at [www.thomsit.com](http://www.thomsit.com).

**Ingredients:** Portland cement, aluminate cement, calcium sulfate hemihydrate, quartz sand, calcium carbonate, sodium carbonate, lithium carbonate, vinyl acetate-ethylene copolymer, thickener

GISCODE ZP 1	low chromate content according to regulations 2003/53/EG
EMICODE EC 1 <sup>PLUS</sup>	very low-emission
DE-UZ 113	(Blue Angel), environmentally friendly due to very low emissions

## 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.