

Silicate Casting Resin

R 729

Power-bond filling of fine cracks and joints in screed



FEATURES AND BENEFITS

- Low-odor formulation
- Can be mixed without stirring device
- Adjustable consistency: liquid or pasty
- Perfect dosing

FIELDS OF APPLICATION

Very low-emission, two-component casting resin for the:

- power-bond filling of fine but also wider cracks and joints in screeds
- bonding of metal profiles.

In the case of large cracks or wide joints, preferably use THOMSIT R 726 fast-setting resin.

Technical data

	Component A	Component B
Colour/physical state	transparent, liquid	brownish, liquid
Packaging	PE bottles of 300 ml each	
Shipping unit	39 cartons with 6 bottles each per pallet	
Mixing ratio A : B	1 : 1 parts by volume	
Pot life	approx. 10 minutes	
Ready for levelling	after 1 hour at the earliest	
Temperature resistance		
after curing	up to max. +50° C, can be used on underfloor heating	
for transport	+10 °C to +50 °C, protect against frost	
for storage	+10 °C to +30 °C	

Shelf life	12 months in a cool and dry place
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The above times were measured under standard climatic conditions (23 °C and 50 % relative humidity). Please note that other climatic conditions may cause a shortening or lengthening of curing and drying times.

Consumption

Filling and closing cracks and joints in screeds	depends on the width and depth of cracks and/or joints
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Preparation of substrate

Substrates must be clean, dry, load-bearing and free of substances which may impair adhesion. Remove crumbling, unstable areas on the screed edges. If necessary, widen the crack or joint area with a cutting disk to ensure the optimum penetration of the reaction resin. The penetration depth of the resin must correspond to at least 2/3 of the screed thickness. Carefully vacuum off the dust in cracks that were mechanically pretreated. Where required (e.g. definite movement of the screed layer), cut the screed surface transversely to the crack direction (every 20 to 30 cm), vacuum off the dust and place steel nails or screed repair clamps into the cuts. Approx. 10 screed clamps are supplied with each packaging unit.

Application procedure

The silicate casting resin consists of two components (resin and hardener) supplied in separate bottles. Mixing: Fill component B (hardener) completely into the bottle with component A (resin). Close the bottle and vigorously shake it for at least 15 seconds until the components form a homogeneous, streak-free mixture. Cut open the nozzle at the top of the bottle and immediately apply the resin.

At the beginning, THOMSIT R 729 is liquid (low-viscous) which makes it ideal for joints of 5 to 10 mm width. After a few minutes, the material becomes more paste-like and ideal for application in larger cracks. If metal sections need to be bonded, apply THOMSIT R 729 with a flat trowel onto the substrate. Embed the materials, align and fix them until the resin has cured. After using up the contents of the bottle, smooth over the crack area with a flat trowel and rapidly sprinkle it with THOMSIT QS 10 quartz sand. Remove excess sand after hardening. The closed cracks or joints can be covered with a levelling compound after 1 hour at the earliest.

Please note

- Basic prerequisites for achieving best indoor air quality after carrying out floor installation work are 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 product stains with alcohol (spirit). Clean the tools with alcohol (spirit) directly after use.
- Do not scrape product remains from the bottle.
- Pot life and curing time of the reaction resin depend on the temperature. They will be shorter at higher temperatures and longer at lower temperatures.
- Do not take partial amounts from the bottle.
- After mixing, the resin must not be shaken again.

PRODUCT SAFETY

FOR COMMERCIAL/INDUSTRIAL USE ONLY.

Basic component A:

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Do not inhale vapor or mist. Wear protective gloves/clothing and eye/face protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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. Store in a well-ventilated place. Keep container tightly closed. Store under lock and key. Dispose of contents/container to hazardous waste disposal.

Hardener component B:

Contains: diphenylmethane diisocyanate, isomers and homologues

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.

Do not inhale vapor or mist. Wear protective gloves/clothing and eye/face protection. IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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. If inhaled: Remove person to fresh air and keep breathing unhindered. 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}

Very low emissions

TECHNICAL INFORMATION

Please 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 from the Technical Commission for Building Adhesives (www.klebstoffe.com, see "Publications")
- Recognized rules of the trade as well as the respective national standards and regulations.

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 of emptied PCI sales packaging

You find more information on disposal on the Internet at <https://www.pci-augsburg.eu/en/services/disposal-instructions-en/packaging>. Do not allow product to enter drains, waterways or soil. Only recycle packaging that is completely empty.

Hardened material residues can be disposed of as household waste. Dispose of product residues that have not hardened in the pollutant collection.

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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.