

Firecement HT°

Revision: 1/04/2024

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Technical data

Basis	Sodium silicate
Consistency	Stable paste
Curing system	Physical drying
Density	Ca. 1,82 g/ml
Temperature resistance**	-40 °C → 1500 °C
Application temperature	5 °C → 30 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Firecement HT° is a 1-component ready to use sealing paste which cures to form a hard joint which withstand temperatures of up to 1500°C

Properties

- Ready for use
- No fragmentation or cracking after curing
- Heat resistant up to 1500°C
- Free of asbestos
- Hard setting
- Fire Rating of 120 minutes (Test Report 7830)
- Not suitable for permanently standing water
- Suitable for interior applications

Applications

- Sealing of joints and openings where high temperatures are possible.
- Sealing of stoves, ovens, fireplaces.
- Heat retardant sealing at existing constructions

Packaging

Colour: black

Packaging: 310 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C. Protect against frost.

Substrates

Substrates: brick, concrete, metals

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Slightly moistening porous surfaces improves the adhesion.

We recommend a preliminary adhesion test on any substrate.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 15 mm

Application method

Application method: Apply with spatula, filling knife or sealing gun.

Cleaning: Before curing, Firecement HT° can be removed with water from substrates and tools.

Finishing: Finish with a spatula or putty knife.

Repair: With the same material.

Health and Safety Recommendations

Take the usual labour hygiene into account.

Consult the packaging label for more information.

Dangerous! Respect the precautions for use.

Remarks

- A slight warming of the heating installation during 12 hours after application prevents bubble-forming and improves structure.
- With prolonged exposure to very high temperatures, the color may lighten.

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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- Do not use in applications where continuous water immersion is possible.
- On joints between materials with different expansion coefficient, cracks can occur when temperature increases.

Standards and certificates

- BS 476:PART20 – Warrington Fire Research Report

Environmental clauses

Leed regulation:

Firecement HT° conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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Soudal India Pvt. Ltd.

Plot No. 200, Sec. 4, Phase - II, Growth Centre, Bawal, Dist. Rewari, Haryana - 123501 (India)
info@soudal.in | www.soudal.in | +91 8010-114-114