

PYROFLEX

Special adhesive for firebricks and other refractory components.

Description

PYROFLEX is a special adhesive for firebricks and other refractory components. It applies to all types of firebricks and materials requiring high temperature resistance (Temperature resistance: 1.200 ° C).

PYROFLEX does not crack and the same product can be used for grouting of the elements or repairing broken joints and firebricks. Composed of high alumina cement with carefully graded quartz aggregates, it features outstanding resistance to high temperatures and extreme temperature variations, excellent workability, moisture resistance and high initial and final adhesion strength. It is very easy to apply and in comparison to older application methods wetting of the materials is no longer necessary.

Suitable for laying and grouting all kinds of firebricks in constructions where high temperatures are developed (fireplaces, wood ovens, stoves, barbecues, chimneys, etc.). Ideal for repairing damaged mortar joints of firebricks. Suitable for indoor and outdoor applications.

Substrate preparation

Firebricks should be clean, free of dust, mud, loose particles, etc. Before application, firebricks must be thoroughly cleaned from adhesives residues (the use of BAUER special cleaner is advised). Provide level and stable surfaces, completely dry and free from shrinkage tendencies. Remove loose or detached fragments, dirt, oil, dust, etc. Seal off and repair any major gaps

Mixture preparation

The material must be prepared in a suitable container; first pouring approximately $\frac{3}{4}$ of the required quantity of water and then gradually adding the contents of the bag, whilst stirring with an electric mixer at low speed. Then add water until a uniform mixture is obtained. The mixture should be left about 10 minutes to settle and should be stirred slightly again. The quantity of mixing water written on the packaging is only indicative. You may reduce the quantity of water for more or less thixotropic composition, depending on the application at hand. Adding more water than the prescribed ratio may result in reduction of coating thickness during curing, and a reduction of the strength of the mortar. We recommend regular stirring without adding water.

Instructions for use

The product is applied by hand using a trowel for both fixing and grouting firebricks. For the formation of wide joints, the use of plastic or metal spacers is recommended.. The mixture remains workable for 1,5- 2 hours. Open adhesion time before the appearance of a surface film is 5-10 min. Grouting is advised after one hour of installing the firebricks. Any excess material should be removed before drying and the surface should be cleaned with a slightly wet sponge to prevent firebricks from staining.

The fireplace can operate normally within 7-10 days after the application and it is advised to expose the material to a low heat short test before it reaches its final strength forces.

Specifications

Form: grey dry mortar

Density: 1,5 kg / L

Mixing water: ≈ 6-7 L / 1 bag of 25kg

Mix pot life: approximately 60 min

Open time: ≥ 15 minutes EN 1346

Consumption: 1.5- 4 kg/m²

Time for minor adjustments: up to 15 minutes

Application temperature: +5 °C to +35 °C

Compression strength 28 days: 58 N/mm² EN 1015-11

Flexural strength: 9 N/mm² EN 1015-11

Temperature resistance: + 1.200 °C

Ready to use: after 10 days

Joint filling on walls: after 3 hours

Joint filling on floors: after 3 hours

Packaging

Heavy duty paper bags, 25kg each. Pallets of 1200 kg.
Plastic 5 kg bags, 20 kg cartons in 1.000 kg pallets.

Storage

Preferably in shady and roofed locations, low in moisture, for at least 6 months.

Precautions and safety

The product contains cement and is classified as an irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact, etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose of in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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