

Specification

HAFTÁK refractory mortar resists temperatures up to 1100°C and can be used for the direct contact with fire. The grey-coloured mortar is suitable for fixing tiles and chamotte fire-clay boards, can be used as filling of chamotte linings, for coarser plasters or corrections of uneven surfaces. It is also suitable as a connecting material for manufacture of prefabricated blocks of tiles and chamotte components.

Preparation and application

The foundation must be supporting, clean, dustless and free of adhesion-restrictive substances. Apply at foundation and ambient-air temperatures within the range from +5°C to +25°C.

Pour the selected amount of dry mixture into clean water (1 kg of mixture to about 230 ml) and mix thoroughly. Prepare only the amount you can work within 20-30 minutes. The recommended coating layer is 10 - 30 mm but can also be used in a larger layer (e.g. when repairing a furnace or surface). Wash tools and containers with water immediately after use.

Basic features

Main raw material base		synthetic aluminosilicate materials
Binding		hydraulic
Dry mix consumption per 1 mm layer	kg/m ²	1,5
Water requirement per 1 kg of dry mix	ltr/kg	0,21 – 0,24
Beginning of solidification	min	5 – 10
Pot life	min	20 – 30
Grain size	mm	0,0 – 0,5
Classification temperature	°C	1100
Chemical composition	Al ₂ O ₃ SiO ₂ Fe ₂ O ₃ CaO	% 34 39 6 16

Physical properties after 28 days (according to ČSN EN ISO 1927-6)

Bulk density after annealing 110/800/1100 °C	kg/m ³	1400 / 1300 / 1300
Compressive strength after annealing 110/800/1100 °C	MPa	10 / 4 / 4
Permanent linear change after annealing 110/800/1100 °C	%	0,0 / -1,2 / -1,7
Apparent porosity	%	50

Storage, handling and processing

Storability is 12 months from the date of manufacture in the original packaging in a dry, sheltered warehouse above 0 ° C. Do not eat, drink or smoke and use protective equipment while working with the product.

When disposing of waste, follow the applicable laws in the country. More detailed information is provided in the Product Safety Data Sheet.

Our technical consultants are always ready to answer you specific questions and advise you with the product application according to your needs. The information in this sheet is based on practical experience, as well as on tests and reflects our current state of knowledge. They serve as information and does not contain any assurance of product properties or their suitability for specific applications. Try for yourself whether our product is suitable for your purposes.

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