

	Value	Unit
Maximum service temperature	1,550 2,822	°C °F
Grain size	Max. 5% Min. 70%	< 0.5 mm > 0.25 mm < 0.125 mm
Mixing water per 25kg dry material	4.5 to 5.75	L
Base material	Bauxite/Quartz	

Chemical analysis			
Silica	SiO <sub>2</sub>	53	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	1	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	40	%
Sodium oxide + Potassium oxide	Na <sub>2</sub> O + K <sub>2</sub> O	4	%

General			
Bag size		25 55.1	kg lb
Quantity to set 1m <sup>3</sup> (35.3ft <sup>3</sup> ) of bricks (equiv. 500 standard 230 × 114 × 76mm, joint thickness 2mm)		155 342	kg lb
Quantity to fix 1m <sup>2</sup> (11ft <sup>2</sup> ) of board area		7.4 16.3	kg lb

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## Type

Dry mortar in bags of 25kg.

## Storage

The workability and setting of the mortar should be checked before use.

## Preparation

Advised process temperature is 10°C to 30°C. The mortar must be stored minimal 24 hours at this temperature prior to use.

Use clean equipment and tools; contamination may negatively influence the properties of the mortar.

## Mixing

The mixer must be loaded with a sufficient quantity of dry mortar to produce a homogeneous mix.

The mortar needs to be intensively mixed in a slow speed mixer to prevent air penetration during mixing. Foamy mortar is not allowed to be used and must be discharged.

Mix the dry mortar shortly in a clean and pre-damped counter current mixer until all particles are finely mixed.

Add, during rotation of the mixer, the minimum amount of clean water with a temperature of 5°C till 20°C. The amount of clean water is shown on the data sheet of the product.

Mix the mortar 3 minutes and check the consistency of the mix. If necessary add more clean water to obtain the proper consistency and mix another 2 minutes.

There is no time limit for mixing. Mortar may be mixed up to 48 hours before use. Air setting mortar needs to be covered with plastic foil or with a water film on top of the mortar to prevent setting.

Mix the mortar until all lumps are dissolved and that the mortar can easily be smeared. The mortar must have a consistency like a heavy cream.

## Safety

Take care of all safety rules for work environment, equipment, tools and personal safety protection.

Avoid unnecessary dust while filling the gunning machine.

Consult the Safety Data Sheet of the product.

Use safety boots, gloves and a dust mask P-2 during the activities.

Follow the special instructions in case of a "danger" sticker.

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