

Description : REGNALIT 1500 refractory cement is designed for general use at temperatures of up to 1500°C.
The refractory cement is a refractory mixture of alumina-silica and high-alumina opening materials with chemical and ceramic binders.
The cement is supplied as a paste ready for immediate use. When exposed to air it quickly hardens. Due to the presence of chemical bond, high strength of a joint is obtained immediately after drying and also at normal temperatures. The high strength is maintained throughout the whole working temperature range.

Use : The refractory cement can be applied as a substitute for fireclay mortars with a higher content of Al₂O₃. The cement can be used to paste fibrous insulating materials in locations exposed to high thermal stress (e.g. near burner jets). REGNALIT 1500 refractory cement is characteristic for its high bonding power to the surface when unprocessed making it possible to paste the insulating lining on vaults and ceilings of furnaces as well.
The cemented joint is highly resistant to dynamic stress of the lining, which is made advantage of at cementing the linings of furnace trucks.
When diluted with water, the cement can also be used as a protecting coat applied on fire brickwork or it can be trowel applied to make minor repairs of brickwork.
The cement should be properly stirred before use.

Specifications :

<i>Property</i>	<i>Guaranteed value</i>	<i>Testing procedure</i>
Grain size	0-0.5 mm	ČSN EN 1402-3
Oversize	max. 10 %	ČSN EN 1402-3
Al ₂ O ₃ content	min. 43 %	ČSN EN 955-2
Fe ₂ O ₃ content	max. 1.5 %	ČSN EN 955-2
Refractoriness	min. 1700 °C	ČSN EN 993-12
<i>Property</i>	<i>Normal value</i>	<i>Testing procedure</i>
SiO ₂ content	52 %	CSN EN 955-2
Bonding power after drying to 110°C/16h	172 N	ČSN 72 6100
Bonding power after firing to 1500°C/4h	2044 N	ČSN 72 6100
Change in length after drying to 110°C/2h	-0.12 %	ČSN 72 6100
Change in length after firing to 1500°C/4h	0.48 %	ČSN 72 6100
Classification temperature	1500°C	ČSN 72 6100

The properties are checked using a single acceptance sampling plan with a guaranteed mean value and an unknown standard deviation in accordance with ČSN ISO 5022.

Packaging : The refractory cement is supplied in 10l (15kg) or 20l (30kg) plastic containers with a lid.

Storage : The product should be stored in dry warehouses at a moderate temperature (min. +5°C). The storage period is max. 6 months from the date of production.

Ing. Milan Čvanda
General Director and Chairman of the Board