

BRAVO

DELICIO

CONTACT

VANGUARD

FIREBRICK



**GIR**tech

[www.girtech.com.ua](http://www.girtech.com.ua)



## **GIRtech CONTACT-39**

Universal ready-mixed high-refractory mixture based on aluminosilicate natural materials with a high content of Al<sub>2</sub>O<sub>3</sub> and ceramic binder.

Recommended for bonding fire-resistant and heat-insulating bricks in masonry, as well as for gluing shaped fireclay products, elements of fireplace inserts

Intended for use in brick ovens, fireplaces, chimney systems, forging furnaces and kilns for ceramics

<b>Appearance:</b>	viscous plastic mass, easily applied by a trowel or other tool
<b>Color:</b>	from light gray to dark gray
<b>Odor:</b>	no sharp odor
<b>Ingrédients:</b>	fine ground aluminosilicate material with the addition of plasticizing components
<b>The main raw material:</b>	alumina-silicate powder ( $\text{Al}_2\text{O}_3$ not less than 39%)
<b>Bundle:</b>	ceramic
<b>Density:</b>	1,72 g/sm <sup>2</sup>
<b>Maximum refractoriness:</b>	1730°C
<b>Service temperatures:</b>	300°C – 1500°C
<b>Safety:</b>	non-toxic, safe for human health



Product has certification of sanitary-epidemiological and radiation control

## PACKAGING

The ready-mixed high-refractory mixture GIRtech CONTACT-39 is available in two packages – 5kg and 10kg (with tolerance of  $\pm 3\%$ )

Packed in branded plastic buckets with airtight lid

10kg buckets are packed on a pallet in 3 rows (total 33 units) to ensure maximum safety during transportation

5kg buckets are packed on a pallet in 4 rows (60 units in total) to ensure maximum safety during transportation

## STORAGE

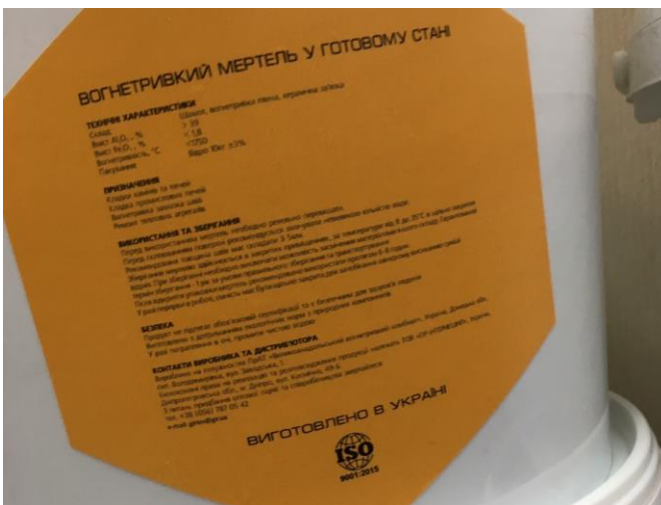
Store the product at temperatures from  $+5^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$  in tightly closed containers

Avoid direct sunlight and freezing.

At a temperature of  $+20^{\circ}\text{C}$ , the shelf life is at least 12 months

In the process of long-term storage, the mixture may stratify. Do not drain the liquid formed on the surface, you just need to mix it back thoroughly;

In case of partial drying as a result of storage of the open product, it is necessary to add water and mix until smooth consistency.



- **Ready for use after opening the package**
- **Optimal composition and proportions**
- **High refractoriness, up to 1730°C**
- **Minimal shrinkage due to drying and firing**
- **High ductility**
- **Safety and eco-friendly raw materials**
- **Ability to use inside and outside**
- **It does not have a sharp odor**
- **Shelf life is more than 12 months**
- **Can be reused if dry \***

\* but not after firing



The mixture is completely ready for use and does not require the addition of water to start work;

Before use, the mortar must be thoroughly mixed until smooth consistency;

Work to be performed at a temperature not lower than +5°C and not higher than +40°C

Before starting the brickwork, clean the brick from dust and slightly wet with some water.

To obtain a more liquid consistency, it is possible to add an additional amount of water;

Recommended thickness of joints is from 1 to 8 mm;

With a standard joints thickness of 2 mm, the mixture consumption averages 10kg when laying 100 standard firebricks (230\*114\*65 mm)

The recommended drying time before heating is 48 hours. At the maximum thickness of the joints, the drying time is increased to 72 hours.

The mixture dries slowly in air (depending on the thickness of the joints, temperature and relative humidity) and get it's strength only under the influence of high temperature.

GIRtech CONTACT-39 could be used indoor and outdoor

Could be used for any kind of domestic stoves, forges and kilns

Mortar is safe for human and pets

**Remember that refractory mortars differ from cements and other binders that harden in the air, as it acquires its basic qualities only in the process of heat treatment**

Do not start heating until the mixture completely dry. It may cause cracks

Avoid moisture until it dries completely and fired

Do not paint until it dries completely and fired

Do not use plaster and decorating materials on surface until the masonry dries completely and fired

This mortar is not suitable for joining metal surfaces, glass and plastics



**BBQ STOVES**



**FIREPLACES**



**KILNS**



**HEATING STOVES**



**METAL FIREBOXES**



**CHIMNEY**



**FORGES**

