

COLLE REFRACTAIRE 530

Functionality

Refractory mastic adhesive based on alkali silicates and refractory fillers asbestos-free.

- Fastening of refractory products to metal parts exposed to high temperature.
- Bonding of ducts, sleeves and other refractory products.
- Assembly of firebricks in ovens and heating equipment.
- Fastening of braids (fibreglass or ceramic).
- Sealing of connections between muffler components.

Technical characteristics

Characteristics	Specifications
Colour	Yellowish
Appearance	Paste (does not run) Easy to apply with a knife or a cartridge
Density	1.8
pH	11.5
Drying time	At 20 °C: 48 hours minimum before gradual increase in temperature. This time can be reduce to 3 hours in case of seal sticking. Dries slowly in air (depends on the thickness, the temperature and the humidity) and hardens under the effect of temperature.
Temperature stability	1100 °C
Bond	Excellent adhesion to metals, refractory products, rockwool, fibreglass (slight surface vitrification) or ceramic fibres in the form of ropes, braids, cardboard, strips, fabric, foam, etc. Optimum adhesion can only be achieved if the material is cooked.

Use

Preparation

- Clean the surfaces to remove dust and grease.
- Moisten porous surfaces (brick, etc.).

Instructions for use

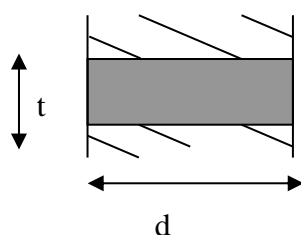
- Do not apply the sealant if the temperature is below +5°C or above +40°C.
- Apply the adhesive to the surface, in beads or points and position the refractory material squashing down the adhesive.
- Hold the assembly for a few moments, leave to dry and then gradually heat.

Consumption

Depending on the extruded diameter, a 310 mL cartridge will be sufficient for the following bead lengths (length in metres) :

Bead diameter in mm	3	5	10	13
Length in m	43.8	15.7	3.9	2.3

Depending on the dimensions of the seal and the application, a 310 mL cartridge (approx. 560 g) will be sufficient for sticking the following length (length in metres) :



Thickness in mm (t)	Depth in mm (d)					
	5	8	10	20	100	150
1	62.0	38.7	31	15.5	3.1	2.0
2	31.0	19.3	15.5	7.7	1.5	1.0
3	20.6	12.9	10.3	5.1	1.0	0.6
4	15.5	9.6	7.7	3.8	0.7	0.5
5	12.4	7.7	6.2	3.1	0.6	0.4
6	10.3	6.4	5.1	2.5	0.5	0.3

Material cleaning

With water (if possible hot water)

Safety precautions

The Material Safety Data Sheet is available on the Internet on www.quickfds.com or on www.geb.fr .

If the product is subject to detergent regulation : Component list available on request at reach@geb.fr

If the product is subject to biocide regulation or if it contains a biocide to protect it : Consult the Material Safety Data Sheet - Please use the products responsibly.

Tip

If the product thickens or to make it easier to apply the product with a brush, the COLLE REFRACTAIRE 530 can be diluted slightly with water.

Comments

Keeping the product at higher temperatures may, in some cases, modify its end characteristics.

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The product must not be used in contact with water, where there is a lot of moisture or for technical bonding (heavy components, subject to impact and vibration for example) and the thickness of the product must be kept to a minimum (> few mm).

The product is not suitable for bonding glass (insert pane for example) or enamel surfaces.

The adhesive may settle. If so, remove the supernatant or mix the product before use.

Storage

Store at a temperature between +5°C and +30°C.

The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.

Packaging and waste sorting

Refer to the information on the product and to the applicable local regulations.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check on <http://www.geb.fr> that you have the latest version before use.