

## Data Sheet

Revision 2: 2025.05.13

### Refractory Glue

A very sticky glue that can be used as an adhesive to join two different materials. The glue was developed for materials that shows high capillary action with very fine porosity that tends to absorb the moisture before it sets and for general refractories. The glue remains wet right after application for between 50 seconds – 1 minute depending on the external factors.

#### Chemical Analysis (%):

SiO <sub>2</sub>	49.09
Al <sub>2</sub> O <sub>3</sub>	8.96
Na <sub>2</sub> O	7.94
K <sub>2</sub> O	0.77
Fe <sub>2</sub> O <sub>3</sub>	0.32
TiO <sub>2</sub>	0.31
MgO	0.06
CaO	0.05
P <sub>2</sub> O <sub>5</sub>	0.003
Organics	3.00
LOI	29.53

#### Maximum particle size:

1 mm

#### Consistency:

Thick paste.  
No to little flow without pressure.

#### Colour:

Brown.

#### Set:

Air Setting.  
Setting starts within 4 hours.

#### Strength:

Full strength upon firing.  
Will break the material before breaking the bond.

#### Application:

Squirt lines of the glue on one surface, spread the glue out and squeeze the parts firmly together.

When covering the surface ensure that there is only a thin layer of glue.

#### Tested Materials:

1. Calcium Silicate boards - Tested at 750 °C
2. B6 bricks - Tested at 750 °C
3. Conventional Refractory castables - Tested at 1200 °C
4. Vermiculite boards - Tested at 1000 °C
5. Ceramic Fibre Boards - Tested at 1000 °C
6. Ceramic Fibre Blanket to kiln lid - 1250 °C

#### Additional Notes:

Refractory Glue air dries and will not harden in any reasonable length of time if confined between two impervious bodies.

Do not use in environments that are wet or contain a lot of moisture. Not suited for outside use.

The glue thickens upon standing.

#### Packaging:

500g mastic tubes  
1kg, 5kg, 10kg and 20kg buckets.

#### Shelf life:

Approximately 18 months if sealed properly.