

# TECHNICAL DATA SHEET

## Kemwell HT Glue

### High Temperature Non-Combustible Glue

Version 1: 03.07.19

#### Product:

Kemwell HT Glue is simple water-based pasting glue which provides an entirely non-combustible film. The film, which is intumescent, enhances the fire resistance of the elements to which it is applied. Its lower than traditional glues setting time allows earlier handling of glued elements. It is classified as non-combustible.

It is ideal for use with Kemwell FPL Fireplace Lining Board system and also for the joints with Kemwell Tecbor and Kemwell Silboard applications.



## APPLICATIONS

Kemwell HT Glue sticks calcium silicate boards, and building boards onto a wide range of receiving surfaces, including steel, aluminium and galvanised steel.

**Application:** Trowel or spatula.

**Standard packaging:** Supplied in buckets of 12.5 or 22.5 kg or on cartridges of 310cc in boxes 25.

## TECHNICAL DATA

### GENERAL

Product type	Refractory glue for gluing fibrous materials
Reaction to fire	Non-combustible (report on request)
Presentation	Paste (ready to use)
GCV	16 kJ/kg
Pyrometric cone	1350°C
Basic component	Silica
Maximum granulometry	0.4 mm
Binding	Chemical
Colour	Cream

CHEMICAL(AVERAGE) Fluorescence X on sample burned to 1000°C / 5 hours.

SiO <sub>2</sub>	78/80%
Al <sub>2</sub> O <sub>3</sub>	14%
Fe <sub>2</sub> O <sub>3</sub>	<1%

### PHYSICAL

Density	1.90
pH	10-11
Viscosity at 20°C (penetrometer)	11/15
Temperature limit	1260°C

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### APPLICATION OF GLUE

#### READY TO USE

- The surface to be coated must be clean and dry.
- Mix well before each use.
- Apply a film onto 1 or 2 surfaces of the materials to be glued together, depending on the type of surface.
- Apply glue and apply pressure.
- The working time depends on the temperature and the relative humidity of the ambient air.
- A higher temperature and dry air will mean a shorter working time.
- Drying in ambient air: it is possible to accelerate setting by hot pressing (up to temperatures of between 80 and 90°C).
- For interior applications.
- Dissolve on permanent contact with water.
- Application tools can be cleaned in water.

### OTHER INFORMATION

#### STORAGE

Shelf life: 12 months in the original, unopened packaging.

Store away from freezing temperatures and excessive heat.

#### HEALTH AND SAFETY

Kemwell HT Glue can be an irritant for the eyes; the wearing of safety goggles is recommended.

Observe usual workplace health and safety rules.