

# BATIFIX

E-p31

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## Description

Batifix is a range of refractory glues developed for resistance to fire and which are especially suitable for bonding fire protection boards. Product viscosity varies from 1600 to 45000 mPa.s enabling the choice of glue to be matched to the application method.

Batifix ready to use adhesives are based on a raw material recipe containing sodium silicate, alumino-silicates, amorphous silica and organic charges diluted in water. All Batifix products are beige in colour.

The Batifix range has been developed by and is available exclusively from Sitek Insulation, which is covered by ISO 9001 and ISO 14001 certification.



Automatic gluing equipment can also be used, please seek guidance from our technical department. The table hereafter summarizes the most common tools and equipment compatibility.

| Batifix reference          | G | G-HV |
|----------------------------|---|------|
| Full surface gluing        | √ | √    |
| Strip or spot gluing       |   | √    |
| Roller or brush use        | √ |      |
| Notched trowel             |   | √    |
| Automated gluing equipment | √ |      |

According to the products to be bonded the following application densities are recommended:

| Batifix reference                                       | G                         | G-HV                      |
|---|---------------------------|---------------------------|
| Bonding board to board<br>Glue applied on each board    | √<br>700 g/m <sup>2</sup> |                           |
| Bonding board to steel<br>Glue applied only on board    |                           | √<br>350g/m <sup>2</sup>  |
| Bonding board to wood<br>Glue applied on board and wood |                           | √<br>700 g/m <sup>2</sup> |

## Advantages

- Strong bonding at ambient and high temperatures giving excellent security during a fire test.
- Non-porous shield controlling vapour movement.
- Compatible with a wide range of application systems.

## Uses

Batifix products are used in various applications in many countries. They are often integrated as fire resistant glues in OEM applications such as doors, fire dampers, partition walls, etc. The application can be manual using a brush, a roller or a notched trowel.

## Characteristics

| Batifix reference               | G                       | G-HV                   | Comment   |
|---------------------------------|-------------------------|------------------------|---|
| Reaction to fire                | Non-flammable           |                        |   |
| Maximal exposition temperature  | > 1000 °C               |                        | Dry film  |
| Density                         | 1.66 g/cm <sup>3</sup>  | 1.68 g/cm <sup>3</sup> |   |
| Viscosity                       | 1600 mPa.s              | 45000 mPa.s            | Brookfield viscometer                             |
| pH                              | 12                      |                        |   |
| Minimum application temperature | 10 °C                   |                        |   |
| Open time                       | Approximately 5 minutes |                        | Depending on supports and application conditions  |
| Final setting time              | 48 hours                |                        |   |
| Water cleaning                  | √                       |                        | Only with non-dried glue                          |
| To be protected from freezing   | √                       |                        |   |
| Maximum storage period          | 9 months                |                        | Original closed packaging in a dry and cool place |
| Plastic pale packaging          | 25 kg                   |                        |   |
| Full pallet content             | 50 pales                |                        |   |

The characteristics of our products are subject to normal manufacturing variations and can be changed without prior notice. Check with your Sitek Insulation office for current information.