

## Conlit® Glue

Fire resistant adhesive for fire protection systems

Application of glue is typically made by a pallet knife or trowel before pressing surfaces together. Fixing boards together is supplemented by nails, pins or staples through noggin - board joints, and board-board joints.

Whilst steel surfaces may be acceptable when just moist to the touch, heavy water droplets, grease, scale oxide, dust etc. should be removed prior to the application of Conlit® glue.

### Description

Conlit® Glue is a water-based product with an approximate pH 11, supplied in 17 kg plastic tubs. It must always be stirred before use to ensure a uniform product consistency.

The use of Conlit® Glue is not limited to particular temperatures and has been tested when applied to surfaces with temperatures of -10°C and upwards, but the curing rate insitu can be affected by:

- Temperature
- Air humidity
- Thickness of glue layer in a joint
- Air access to glued joint (i.e. not sealed off)

Please note that the temperature of Conlit® Glue must be 5°C or more when applied to surfaces at lower temperatures.

### Effects of ambient conditions

1. For all year round working, noggins should be cut to provide approximately 0.5mm interference fit into steelwork. Some friction in the fitting is required to satisfy all conditions and to provide a sensible limit to glue thickness.
2. In typical dry summer conditions of 20°C, curing of the basic glue will occur in approximately 4 hours before cover boards should be added onto the noggins.
3. The setting times of glue in moist air conditions is approximately 6-8 hours if the temperature is above freezing point, or in approximately 1 hour at 20°C.



### Setting times for different conditions

Conditions	Setting time
Approx. 20°C dry conditions	Approx. 4 hours
Approx. 3°C+ with moist air conditions	Greater than 24 hours expected
-10°C to 0°C	Adequate bond forms within 1 hour but full cure may be delayed over 24 hours when temperatures 0 – 6°C

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