

# CP201 & CP202

## COMPRIBAND JOINTSPAN FR & ADHESIVE



### KEY BENEFITS SUMMARY

- Provides up to 2 hour passive fire protection
- Can accommodate 3-axis movement
- Uses water-based adhesive that is fire resistant and remains flexible

### PRODUCT INFORMATION

#### Description

CP201 is a passive fire, cold smoke and acoustic sealing system which has been specially designed for movement joints with the added benefits of being able to accommodate 3-axis movement and seismic shocks. The versatility of the CP201 system allows it to be used in a wide variety of internal applications in both new build and refurbishment projects.

#### Material

CP201 is a non-combustible composite assembly of ceramic fibre and aluminium foil, enclosed in a robust glass fibre textile cover. Installation and fixing requires the use of CP202 Adhesive, a water-based, flexible, fire-resistant adhesive.

#### Packaging

CP201 is supplied as a roll in standard 7.3 metre lengths, in a range of widths and thicknesses.

CP202 is supplied in a 5 litre tub.

#### Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

#### Installation Options

- The standard installation method arrangement is the 'U' form.
- Where 3 axis movement and/or seismic shock are considerations then CP201 should be installed using a 'W' form. (See Fig. 1 & 5)

#### Notes on Fire Ratings

- The table of fire ratings are based on a single "U" installation.
- If using a double "U" installation the integrity values will be significantly increased (typically doubled)
- Please ask for assistance if required. (See Fig. 4)

#### Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

#### Preparation

- Joint surfaces must be sound, clean and free from loose material, oil and grease likely to impair adhesion.
- The joint surface should be dry.

#### Installation

- Ensure that the correct size of CP201 has been selected for the size of joint and the anticipated movement accommodation.
  - Measure the length of joint to be sealed. If required cut a section of CP201 to length by unwrapping the outer textile cover before cutting and removing a section of the inner ceramic/foil blanket.
  - The end of the textile cover may also be cut, leaving 30-50 mm excess.
  - Neatly refold and tuck in the cut end of the textile cover and then seal using CP202 Adhesive. Ensure that the cut size will allow tight butt joints between all other sections.
  - CP201 is held in place in the joint by applying CP202 Adhesive along both outer upper lips of the shaped seal (Fig 2).
  - The depth of the adhesive applied should be between 45-65 mm (but can vary) below the side of each lip and is crucial to the movement accommodation performance of the installed joint.
  - When calculating the area to be covered by the adhesive, take the minimum expected gap width from the actual gap width of the seal. This figure should then be divided by 2 to obtain the mm to be coated with the adhesive on each outer edge of the seal. The area of the outer edge will differ according to the size of the seal.
- EXAMPLE:
- gap of 80 mm with + 20 mm and – 20 mm. Minimum width of 60 mm and maximum width of 100 mm
  - **CP201 seal 300 mm**  
300 mm less 100 mm = 200 mm ÷ by 2 = 100 mm to be coated on outer edge of seal.

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### TECHNICAL DATA

#### CP201 Compriband Jointspan FR - Integrity And Insulation

DESCRIPTION	JOINT SIZE (MM)	CERAMIC FIBRE THICKNESS (MM)	PRODUCT WIDTH (MM)	INSTALLED SEAL THICKNESS (U-SHAPE) (MM)	INTEGRITY (HOURS)	INSULATION (HOURS)
200/12	25 - 38	12.5	200	25	2	1
200/12	25 - 50	12.5	200	25	1	1
200/25	25 - 50	25	200	50	2	2
300/25/25	50 - 100	50	300	100	2	2
400/25/25	50 - 150	50	400	100	2	89 minutes

Other sizes are available for special applications.

#### Performance Data CP202

PROPERTY	RESULT
Cure System	Water loss
Colour	White
Specific Gravity	1.3 - 1.4
pH	8.5 - 9.2
Solids Content (&w/w)	>58%
Application Temperature Range	+10°C to +30°C
Service Temperature Range	-15°C to +75°C
Durability	Up to 15 years when used as recommended.
Storage	Store in cool dry conditions. AVOID FROST and extremes of temperature.
Shelf Life	12 months when stored as recommended in original unopened containers

- Fold the seal into the “U or W” form, with the seam on the inside, and butter the adhesive onto the seal edges and butt joint ends using a pallet knife or similar.
- Adhesive coverage should be approximately 1 litre of adhesive per 5 metres of CP201.
- Push the seal carefully into the joint making sure that it is fully into the gap and ensuring that the arms are even. Smooth any excess adhesive along the joint edges and butt joint ends to ensure an airtight seal.
- Mechanically support the seal until the adhesive is sufficiently cured to support the seal. Under normal conditions the adhesive is touch dry in 30-120 minutes and thoroughly dry in 6-8 hours, depending on adhesive thickness and surrounding materials. Protect the adhesive from frost until thoroughly dry, both during storage and use.

#### Please Note

CP202 Adhesive is water-based and drying is slow in cold conditions or conditions of high humidity. The adhesive is very slow drying on non-porous surfaces, such as galvanised steel. Special consideration is required in these circumstances. Good air flow is essential around these joints while curing, and the user is advised to ensure adhesion to the substrate is satisfactory before use.

#### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

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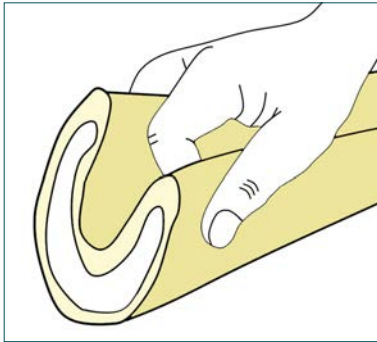


Fig. 1 – Folding Jointspan FR into “U” shape.

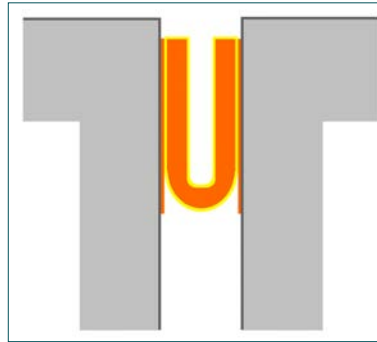


Fig. 3 – Jointspan FR after gap has opened.



Fig. 5 - Jointspan FR installed in W shape after considerable seismic movement.



Fig. 2 – Initial installation showing position of adhesive.

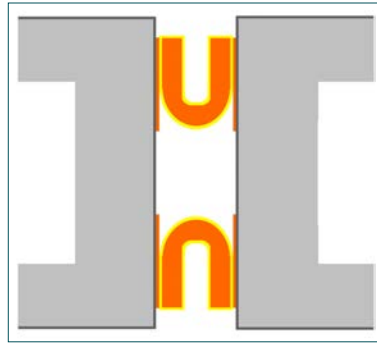


Fig. 4 – Jointspan FR installed in double “U” formation to increase integrity.