

CI/SfB		(29)	(k2)
CAW P10			
Uniclass JP10 L68114			
March 2010			

KEY BENEFITS SUMMARY

- Can achieve up to 5 hours joint fire resistance tested in accordance with BS EN 1366-4
- Accommodates up to 50 % movement
- Suitable for gaps up to 50 mm wide
- Excellent unprimed adhesion
- Slump free with a long service life
- Seal ratio at 2:1 (10 mm width x 5 mm depth)

Safe & Durable

- Asbestos and halogen free
- No shrinkage
- Resistant to mould, fungus and vermin attack

PRODUCT INFORMATION

Description

Fire resistant seal for high movement joints (up to 50 %). For internal and external use.

Usage / Purpose

- Joints in compartment walls and floors
- Seals in and around lightweight partitioning
- Gaps between frames and structures
- Bedding of fire door locks and hinges
- Around pipes and services
- At junctions of different materials

SUBSTRATES

- Masonry to masonry
- Steel to steel
- Masonry to timber
- Masonry to steel
- Around pipes and services

NOTE: For substrates outside of this range please contact Tremco illbruck Technical Services Department.

Colours

White and grey

Packaging

310 ml cartridges (12 per box)
600 ml sausages (12 per box)

Availability

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

USAGE GUIDELINES

Preparation

- Clean all surfaces of loose particles, moisture, oils, grease and corrosive materials
- Abrade painted or shiny surfaces
- Check specification is suitable for movement, fire rating and gap size

Tools

- Standard cartridge/skeleton gun
- Palette knife or spatula

Installation

- Insert backing material, oversized to joint width to ensure stability, to provide correct depth of seal (M701 - minimum 5 mm; M703 - minimum 5 mm)
 - For single seal: Use non-flammable backing (mineral fibre or ceramic fibre)
 - For double seal: Use M710 Backing Rod

- Cut nozzle of cartridge to required bead size
- Gun sealant into gap to required depth
- Tool to a smooth finish immediately with a wet palette knife or spatula

Material Required

To determine quantity of sealant required, calculate as follows:

$$\frac{\text{Gap width} \times \text{Depth} \times \text{Total length}}{310} = \text{N}^{\circ} \text{ of cartridges}$$

For further guidance on application methods, and material requirements, please contact Tremco illbruck Technical Services Department.

Cleaning

Immediately remove all excess sealant adjacent to the joint (use masking tape where appropriate). Cured sealant can only be removed by abrasion.

Maintenance

No maintenance required after installation.

Routine inspection recommended to ensure no damage to the system.

Health & Safety Precautions

Product Health and Safety Data Sheets must be read and understood before use.

Storage

Store in dry conditions between +5°C and +27°C.

Shelf Life

12 months when stored in its original unopened containers.



M703

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TECHNICAL INFORMATION

Property	Test Method	Result
Composition		An intumescent silicone sealant
Fire Performance*		
Period of Fire Resistance	BS EN 1366-4 Up to 5 hours / BS476:Part 20	1, 2, 3, 4 & 5 hours integrity
Acoustic Rating	BS EN ISO 140-3:1995	up to 38 dB
Air Permeability	BS EN ISO 1314-1:2004	Air tight up to 100 Pa
Depth of Sealant Required	Gap width up to 50 mm	50 % of width
Properties (Typical Values)		
Solids Content		94 - 97 %
pH Value		n/a
Flash Point		100 °C
Specific Gravity		1.35
Viscosity		Thixotropic
Tensile Strength at Break		1.3 N/mm ²
Touch Dry	at 20 °C	15 minutes
Cure Through Time	at 20 °C - 20 mm depth	20 days

*NOTE: For installation ratings and gaps outside of this range please refer to Tremco illbruck Technical Department.

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.

PERFORMANCE

FIRE PERFORMANCE: Tested in accordance with BSEN1366-4 Up to 5hrs

ACOUSTIC PERFORMANCE: Tested in accordance with BSEN ISO 140-3:1995

AIR PERMEABILITY: Tested in accordance with EN 1026

Tested Gap Widths (mm)	Substrate	Integrity (Minutes)	Insulation (Minutes)	Orientation	Seal to Depth Ratio (spa n-depth)
Up to 29	Concrete-Concrete	300	180	Wall	2:1
30-50		300	300		
Up to 29	Concrete-Softwood	90	60		
30-49		90	90		
50		180	180		
Up to 49	Concrete-Hardwood	120	120		
50		180	180		
Up to 12	Concrete-Steel	300	60		
13-29		240	60		
50		300	120		
Up to 12	Concrete-Concrete	300	180	Floor	2:1
13-50		300	60		
Up to 50	Concrete-Steel	240	30		