

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

## Product Information

### Description

FR230 Fire Stopping Compound is a gypsum based mortar used to reinstate the fire resistance performance of floor constructions where they have been provided with apertures for the penetration of single or multiple services. FR230 provides a safe working platform for loads upto 2.5 kg/m<sup>2</sup> when installed in full accordance to our recommendations.

### Usage / Purpose

FR230 is used to stop the spread of fire and smoke around services that pass through compartment walls and floors, whilst providing an unsupported load bearing capacity (see Specification Information). The system also provides thermal, acoustic and air sealing performance.

FR230 is suitable for the following service penetrations; single and bunched cables, cable trays, cable ladders, trunking\*\*, non-combustible pipes, ducting/damper penetrations\* and combustible pipes\*\*.

Typical areas of use include health and leisure facilities, schools, universities, hotels, commercial, retail and industrial buildings.

\* Damper manufacturer should be consulted prior to application

\*\*A suitable closer device will be required

## Usage Guidelines

### 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.

### Specification Information

- Rigid floors must have a minimum thickness of 150 mm (walls 100 mm) and comprise aerated concrete or concrete with a minimum density of 650 kg/m<sup>3</sup>.
- The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.
- FR230 may also be used to provide a penetration seal with cables and cable trays, (for details see overleaf).
- The total amount of cross sections of services (including insulation) shall not exceed 60% of the penetration area.
- FR230 may be used to seal apertures in the separating element up to 1100 mm x 1100 mm in a floor or wall. The minimum permitted separation between adjacent seals/apertures is 200 mm. Services are recommended to be a minimum of 100 mm from seal edges.

# FR230

## Fire Stopping Compound

up to  
**240**  
mins



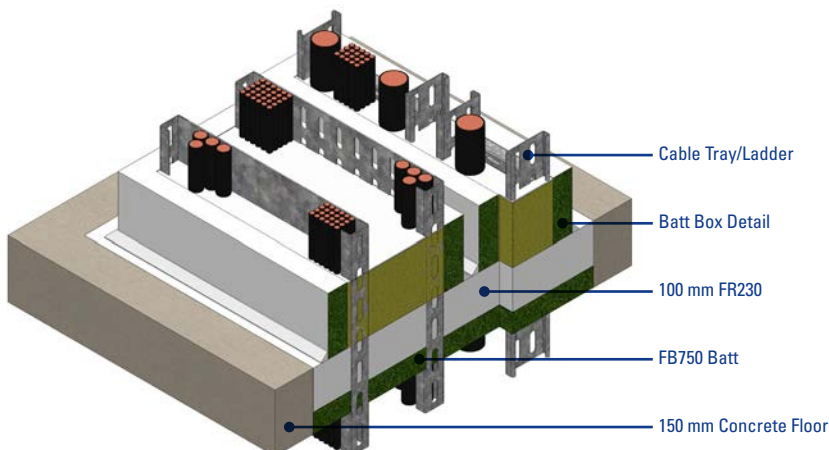
### Key Benefits Summary

- Provides an effective barrier to the spread of smoke and fire
- Fire resistance up to 240 minutes
- Certified to EN 1366-3:2009; ETA 17/0582
- Rapid setting, zero shrinkage formulation - can be used as pourable or trowel grade

## Penetration Seal

Cables penetrating through a rigid floor construction. 100 mm of FR230 installed onto a 50 mm 140 kg rok fibre shutter batt to form a 150 mm overall seal depth. A 'batt box' 150 mm deep is installed on top of the FR230 seal, comprising a lining 150 mm thick FB750 infilled with stone wool mineral fibre 64 kg/m<sup>3</sup> coated on both faces with 3 mm FS702.

Construction Details:



CE  
ETA 17/0582

certifire  
APPROVAL N° CF5378



# FR230

## Fire Stopping Compound

**Nullifire**  
Smart Protection

### Technical Data

Property	Result
Mix Ratio	2:1.5 (pouring) or 2:1 (trowelling) with water
Yield	3.5 bags per m <sup>2</sup> at 100 mm depth
Storage	Store in secure, dry warehouse conditions between -5°C and +30°C
Shelf Life	12 months when stored as recommended in original unopened packaging

### Performance (example)

Services	Classification
Electrical cables up to 21 mm Ø (single, bundled on steel trays/ladders up to 500 mm wide)	EI 240
Telecom cable up to 21 mm Ø in tied bundles up to 100 mm Ø	
Electrical cables 22 to 80 mm Ø (single, bundled on steel trays/ladders up to 500 mm wide)	E 240, EI120
Unsheathed wires up to 24 mm diameter	

- Services in floors and walls shall be supported in full accordance with manufacturers' instructions.
- FR230 may be used to seal apertures up to 1.21 m<sup>2</sup> without additional reinforcement.
- FR230 should never be cast across a movement joint.

#### Packaging

20 kg bag

#### Availability

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

#### Health & Safety Precautions

Safety data sheet must be read and understood before use.

#### 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.

#### 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 0322 551010.

#### 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.