

## Technical Specifications

### ■ Pyrok - 304

Insulating cement mortar to fireproof metal structures.

#### ■ SCOPE OF APPLICATION

Fireproofing for metal structures, concrete and composite slabs and other structural elements in construction and industry in general.

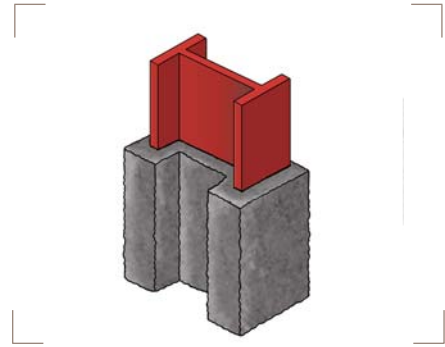
Strengthening ceramic top slabs or similar in a poor state of repair.

Heat insulation for floor slabs and walls.

Fireproof rendering inside tunnels.

Acoustic absorption in buildings.

Avoids collapse of all kinds of structural elements when they are subject to a fire.



#### ■ PROPERTIES

Cement mortar (M - 40), completely asbestos-free.

Tested resistance to fire of up to three hours.

Does not generate gases or toxic smoke during application or in the event of a fire.

Excellent holding and gripping properties in metal structures, concrete slabs and other structural elements.

Insensitive to mildew, insects and rodents.

Chemically inert and does not decompose or age.



#### ■ MAIN CONTENTS OF MATERIAL

Cement mortar with expanded lightweight perlite and vermiculite sand, with a high insulation capacity.

#### ■ FORMAT

20 kg bags 60 bag  
pallet

## POURING

### Surface:

Remove any traces of dust using mechanical means.

The surface must be clean, steady and duct, oil and grease-free.

### Application:

Mechanical system: Hexagonal wire netting (40 mm) properly secured to the structure. For application, wet spraying machines with a worm screw pump are recommended.

Manual System: Use standard construction tools. The proportion of water per bag is 10 to 12 litres.

## CLEANING TOOLS

PYROK can be removed using water before it has set. Once it has set, it can only be removed using mechanical machines.

## STORAGE

It can be stored for 12 months in its original sealed packaging in a dry plac.

## TECHNICAL INFORMATION

- Resistance to fire: EF-240
- Resistance to water jet: UNE 23.806
- Density: 450 to 500 Kg/m<sup>3</sup>(Applied)
- Heat conductivity: 0.175 Kcal/mh°C
- Resistance to compression: 14 Kg/cm<sup>2</sup>
- pH value: 12.5 -Reaction to fire: M-0
- Setting: Initial 24 hours
  - 50% 6 days
  - 75% 12 days
  - 98% 28 days
- Application temperature: +5° a +30°C
- Adherence: Greater than cohesion

### N.B.

The sole purpose of the present technical specifications, in the same way as any other recommendations and technical information, is to describe the product characteristics, method of use and applications.

The data and information reproduced herein are based on our technical knowledge acquired through books, laboratory tests and practical cases.

The information regarding use and dosage provided in these technical specifications is based on our own experience and is therefore subject to changes due to different site conditions. Real-life use and dosages should be decided on-site through preliminary tests and they are the customer's responsibility. We shall not be held responsible for other product applications that are not in keeping with those specified. We grant a guarantee in the event of manufacturing defects found in our products, excluding any other claims, and we will only be responsible for refunding the value of the supplied goods. Possible reserves regarding patents or third party rights should be taken into account.

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A new edition will render the present technical specifications invalid.