



## FIREWISE FIRE RATED MORTAR

### Lightweight mortar compound

#### PERFORMANCE BENEFITS

- Comprehensively tested and assessed in accordance with BS476 part 20: 1987 for up to 4 hours fire resistance.
- Can provide a loadbearing seal when used with suitable reinforcement.
- Easy to install.
- Simple retro-fitting of additional services.

#### INTRODUCTION

Firewise Fire Rated Mortar is a lightweight mortar compound which is designed to prevent the spread of fire from one compartment to another where services penetrate separating walls and floors, and provides up to 4 hours fire resistance.

Firewise Fire Rated Mortar consists of a specially blended powder which is supplied in easy to handle paper sacks. When mixed with water, Firewise Fire Rated Mortar forms a trowelable or pourable mixture which is easy to install and has excellent workability characteristics.

#### PERFORMANCE

When exposed to the heat of a fire, the excellent thermal insulation properties of Firewise Fire Rated Mortar provides an effective barrier, preventing the passage of fire and smoke. Unlike sand and cement mortars or concrete, the special formulation resists shrinkage and cracking, and is not subject to spalling in a fire situation.

During installation and the curing process, Firewise Fire Rated Mortar actually expands ensuring that an excellent seal is possible even in irregular openings.

#### APPLICATION

Firewise Fire Rated Mortar is particularly suitable for reinstating compartment floors where HVAC ducts, pipes and electrical services have been installed. Small holes and imperfections of fit can easily be 'made good' using Firewise Fire Rated Mortar.

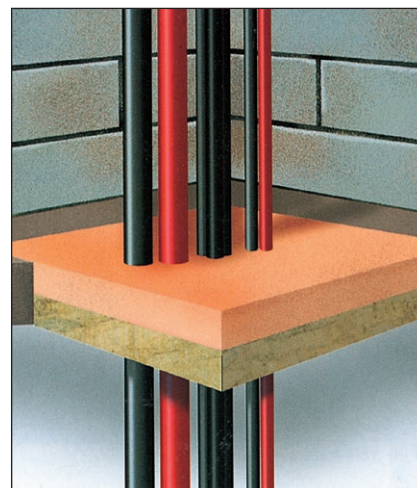
Typical buildings where Firewise Fire Rated Mortar is commonly used are Multi-story buildings with service risers, Communication and Broadcasting Facilities, Hospitals, Hotels and Apartment Blocks, Power Stations and Control Rooms. Firewise Fire Rated Mortar can be used in walls or floors.

(For installation details please refer to technical data sheet).

#### SPECIFICATION

Supply and install Firewise Fire Rated Mortar to provide up to (1, 2, 3 or 4) hours fire resistance to floor/wall openings.

Installation to be in accordance with the manufacturers recommendations.

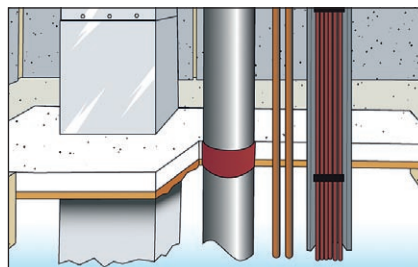


#### USAGE

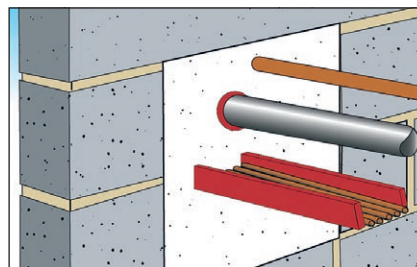
1000kg = 1cbm

Seal Thickness	Kg per sq.	metre
1mm	1kg	N/A
50mm	50kg	2
100mm	100kg	4

Fire Performance	
100mm thick with no shutter	4 hours insulation + 4 hours integrity
75mm thick with no shutter	2 hours insulation + 4 hours integrity
50mm thick with m.f. shutter	4 hours insulation + 4 hours integrity



Firewise compound poured onto permanent fibre shutter in floor



Firewise compound trowled into wall