

# MW Mineral Wool Shuttering Slab for Fire Protection Compounds

MW Mineral Wool Shuttering Slab provides a simple means of shuttering to Quelfire Fire Protection Compounds.



## Features & Benefits

An easy to install shuttering system for the fire protection compounds

1200 x 600 x 50mm slabs

## Regulations

Building Regulations impose limitations on all services passing through fire compartment walls and floors. MW Mineral Wool Shuttering Slab together with Quelfire QF2 Fire Protection Compound has been tested in accordance with the General Principles in BS 476: Part 20: 1987 in conjunction with the additional guide lines in the latest available draft document reference EN 1366-3: 1993 produced by the European Committee for Standardisation (CEN) relating to the fire resistance testing of penetration sealing systems. Tests were conducted on vertical and horizontal compartment walls and floors and indicated it provides up to 4 hour fire rating. Also tested to BSEN 1366-3:

## Composition

MW Mineral Wool Shuttering Slab consists of a non-combustible mineral wool batt which will provide increased fire resistance when used correctly. It is easy to cut facilitating installation around services and is used as a fire resistant permanent shuttering to all types of fire protection mortar.

## Durability

MW Mineral Wool Shuttering Slab is expected to last the lifetime of the service installation.

Technical Support & Guidance

Should you require any further information regarding this product, please don't hesitate to contact one of our specialists.

## Application / Installation

Under fire conditions the MW Mineral Wool Shuttering Slab installed with the QF2 Fire Protection Compound maintains fire integrity for up to 4 hours where cables, and other non-combustible services penetrate fire walls or floors.

QF2 Fire Protection Compound may be used in all types of building and is compatible with most building materials. QF2 Fire Protection Compound is simply added to clean water either in a bucket or a concrete mixer, mixed and poured or trowelled into position.

The setting time for QF2 Fire Protection Compound depends on the atmospheric temperature. It may be built up further within two or three hours where large barriers are required. Do not attempt to use a mix ratio of less than 2:1 mortar to water volume.

Adding further water to the partially cured system must be avoided at all times as this will irreversibly interfere with the curing process.

For horizontal barriers it is recommended that MW Mineral Wool Shuttering Slabs are tightly fitted into the opening so that the QF2 Fire Protection Mortar may be poured on top of the slab to the required thickness. It is recommended that the mineral wool slab is not

Where the barrier is required to provide a load bearing capability consideration should be given to structural support, such as reinforcing bars. Consideration may also be given to the use of a permanent shuttering system. In all loadbearing situations mortar

Where the thickness of the seal is built up using multi layers, the structural strength of the seal may be reduced. It is therefore recommended particularly in load bearing situations that a maximum of 10% thickness is installed initially and the remaining

For vertical or wall barriers it is recommended that MW Mineral Wool Shuttering Slab is installed as a tight fit into the aperture at the centre line of the fire compartment wall. QF2 Fire Protection Compound may then be 'plastered' to a minimum thickness of 25mm to