



INTUCOMPOUND

Test Performance

Warrington Fire Research.
20th September 1995
Report R12197
Warrington Fire Research.
5th August 1996
Report R13120



Application

Firetherm Intucompound can provide a load bearing fire and smoke seal around service penetrations in walls and floors at the following depths:-

1 hour	– 50mm seal depth (non load bearing)
2 hour	– 75mm seal depth (non load bearing)
4 hour	– 100 mm seal depth (load bearing)

Intucompound has been shown by test to be capable of supporting unrestrained fire dampers. In addition, load tests have been undertaken to show that at 100mm depth, Intucompound can support 4.5 kN/m², unreinforced, in an opening of 600 x 600mm.

Openings up to 900 x 600mm need no additional reinforcement for light foot traffic use (1.5kN/m²), as may slots up to 300mm wide of infinite length. However, Intucompound can be used for very much larger openings using steel reinforcement. Contact Firetherm's technical department for further details.

Because of the very fine texture of Intucompound and its capacity to expand during curing, it provides a smoke and fire tight seal around cables and multiple small pipes while creating an excellent bond to surrounding masonry in larger openings.

Description

Supplied as an off-white powder in 20 kg sacks (50 per pallet), Intucompound is mixed with water and is exceptionally economical in use:-

50mm depth	– 37kg/m ² dry powder	– 1.85 bags
75mm depth	– 56kg/m ² dry powder	– 2.8 bags
100mm depth	– 75kg/m ² dry powder	– 3.75 bags

To obtain a trowellable consistency, Firetherm recommend mixing with water in the ratio of 3 parts powder to 1 part water.

For a pourable consistency, Firetherm recommend mixing with water in the ratio of 2 parts powder to 1 part water.

Use trowellable consistency for wall penetrations and pourable consistency for floor openings, first forming a shutter to restrain the material until set - please refer to Firetherm's installation instructions for further details.

Specification Wording

"Place Firetherm Intucompound at a suitable thickness into openings to provide (1 hr, 1 1/2hr, 2hr, 4hrs) fire protection fully in accordance with Firetherm's installation instructions. Where holes are larger than 900 x 600mm refer to Firetherm's technical department.

Firetherm (NZ) Ltd.
Ph +64 (9) 443 0362 Fax +64 (9) 443 0364



Firetherm supports FIRAS Accredited Installers



CF 579

