

SAFETY CEILINGS

AMF THERMATEX CEILING TILES

MEZZANINE FLOOR FIRE PROTECTION



AMF Ceiling Tiles provide a high standard of fire protection within buildings. This performance is both in control of the development and spread of fire as well as structural fire resistance. AMF Ceiling Tiles have been tested in accordance with different parts of BS476 and national fire regulations of other European countries.

Picture by courtesy of Pickfords Self-Storage

FIRE PERFORMANCE

A mezzanine floor assembly protected by **AMF THERMATEX** mineral ceiling tiles in a fire-rated exposed grid system was subjected to a fire resistance test in accordance with BS476:Part 21:1987, Clause 7. The specimen satisfied the performance criteria for the following periods:

Loadbearing capacity:	90 minutes
Integrity:	89 minutes
Insulation:	89 minutes

Warrington Fire Research Centre Report No. 102642 dated 20 July 1998

- ▶ AMF THERMATEX mineral wool ceiling tiles size 600 x 600 mm 15 mm with a square (SK) edge detail were used in the test.
- ▶ The AMF ceiling was suspended 350 mm below the underside of the chipboard flooring panels and 150 mm below the underside of the supporting mild steel joists.
- ▶ All tiles were installed in the fire-rated exposed grid system **without hold-down clips**.
- ▶ AMF fire-rated grid was installed with main runners at 1200 mm centres which were then generally suspended from the steel joists at 1200 mm centres.
- ▶ A 600 x 600 mm light fitting was incorporated into the ceiling and protected by an **AMF Fire-Resistant Light Box**.
- ▶ Warrington Fire Research Centre Report No. C120024 provides assessments for the use of AMF recessed (VT) edge detail tiles to give 60 minutes fire protection to the mezzanine floor assembly.



Picture by courtesy of 'askactive.com'



PERFORMANCE CEILINGS

SAFETY CEILINGS

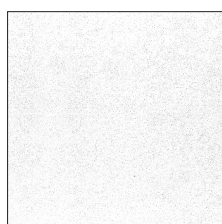
MEZZANINE FLOOR FIRE PROTECTION



SURFACE DESIGNS

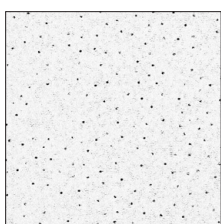
The AMF THERMATEX range of mineral wool ceiling tiles offers a wide choice of face patterns and designs. All provide 60 minutes fire protection to mezzanine floors, timber joists and steel beams in accordance with BS476:Parts 20 to 23.

Illustrated face patterns are examples.



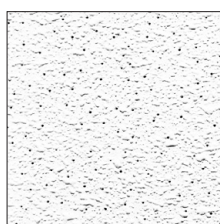
THERMATEX

Plain



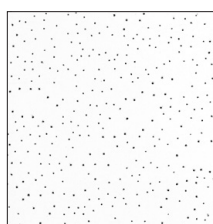
THERMATEX

Fine Stratos / micro-perforated



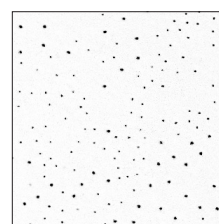
THERMATEX

Laguna / micro-perforated



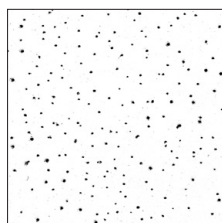
THERMATEX

Star (also as Silence dB)



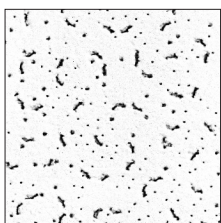
THERMATEX

Pinhole



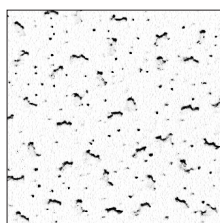
THERMATEX

Mercure



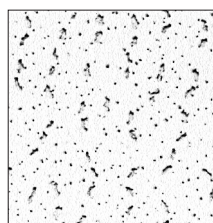
THERMATEX

Saturn



THERMATEX

Fine Fresko



THERMATEX

Fresko



THERMATEX

Thermaclean S -White

FIRE-RESISTANT LIGHT BOX

AMF Fire-Resistant Light Boxes protect recessed light fittings and other installations in the suspended ceiling. British Building Regulations require the sealing of penetrations in fire-resistant elements in ceilings, walls and floors. Fire tests on AMF ceiling systems incorporate Light Boxes to maintain the fire integrity of the ceiling for a minimum period of 60 minutes.



Knauf AMF GmbH & Co. KG is certified in accordance with Quality Assurance Standard to ISO 9001 and ISO 14001

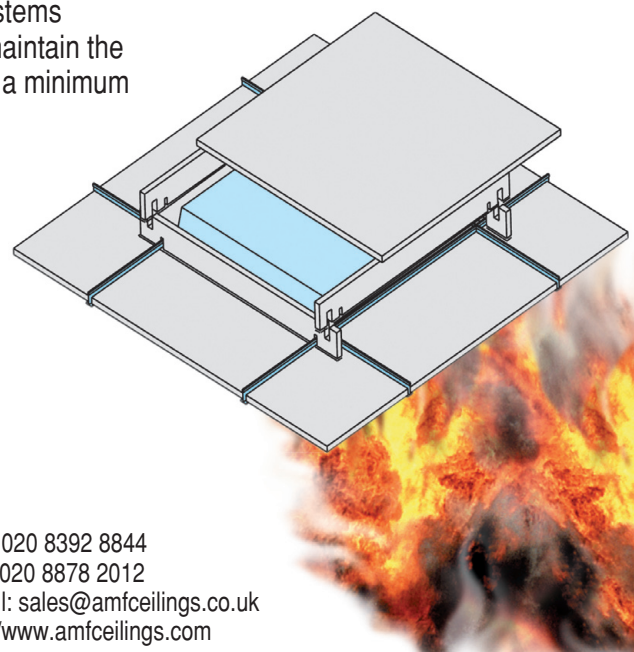


The RAL Seal of Approval gives assurance that mineral panels are regularly checked for quality, safety and fire protection

IMPORTANT

The test results stated above relate only to the specimen tested. Installation must be carried out in accordance with the test report data, as any variation from these conditions may affect the fire protection capabilities of the ceiling system.

For comprehensive description of tests and test specimens, reference must be made to the appropriate full document.



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