KARMA ACOUSTIC SOLUTIONS

KARMA TNF70

TECHNICAL INFORMATION SHEET

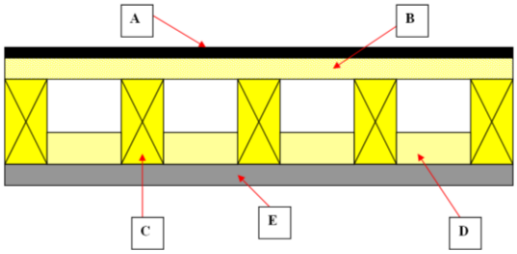
Karma TNF70 is a very high-density (140kg/m3) stone-fibre batt, which is used in conjunction with Karma Masspanel in a floor build-up. This is used to upgrade the fire resistance of timber floors to 90 minutes fire integrity and insulation. Often used where a lath & plaster ceiling cannot be disturbed or where access is not possible from the soffit face because of occupancy of a dwelling or congestion caused by mechanical services.

Typical Applications is used in refurbishment projects, improving existing structures where access is only available from above and whereby additional acoustic & fire performance is required. In particular multiple occupancy, houses, flats, offices, shops, hotels and nursing homes.

TEST INFORMATION

*The separating floor construction as tested consisted of (A) Karma Masspanel (B) 18mm T&G chipboard or plywood deck (C) 150mm x 50mm timber joists at 400mm centres (D) 70mm thick TNF70 fire coated slab friction fitted between joists and sealed with Karma EX240 sealant (E) typical 20mm Lath & Plaster ceiling.

Description	Tested	Results
Floor Construction*	Airborne Improvement	7dB DnT,w 5dB DnT,w+Ctr
TNF70	Fire Rating	90min fire rating
TNF70	Thermal Conductivity	0.035W/mK



A simple method of upgrading timber floors to achieve up to 90 minute fire rating and improved airborne requirements. All tested to BS 476 Pt22 and conforms to Building Regulations Document Part B and Approved Document Part E (2003).

TNF70 is coated on the top side with a smoke and fire resistant sealant. These are cut to suit on site and fitted between joists, after removing a number of floorboards, secured under compression and bonded with Karma EX240 Intumescent mastic.

Benefits of Karma TNF70

- Improves fire rating up to 90 minutes
- Improve airborne properties of floor build-up
- No requirement for any mechanical fixings
- Lightweight and quick to install
- 1200mm x 600mm size covers most joists centres
- Dry system that will not damage sensitive lath & plaster ceilings or fine plaster mouldings

Physical Information

- Dimensions: 1200mm x 600mm x 70mm
- Colour: White

Accessories

- Karma EX240 mastic

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Available from all SIG Branches
For Technical Help please contact
CMS Danskin Refurbishment 02380 625568
Or our website www.cmsdanskin.co.uk

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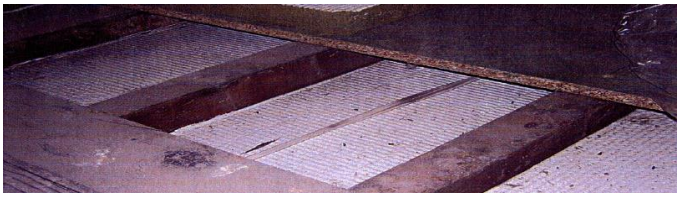
KARMA TNF70

TECHNICAL INSTALLATION GUIDE



1) Locate and review TNF70 fir & acoustic system for timber floors Health & Safety notes before commencing work.

2) Lifts sufficient floorboards to allow TNF70 to be installed.

3) Clear any remaining pugging from the celling/floor void and clear dust from the sides of the joists to improve the adhesion of the bonding EX240.

4) Apply a 10mm bead f EX240 to the side of each joist 35mm from the bottom. If adhesion is difficult, spray the joists with water from a small garden spray.

5) Measure the gap between the joists and cut TNF70 along the 1200mm sides to fit tightly between the joists **WHITE** coated side up.

6) Place loosely in position at 45^{o} between joists. Using a timber board to spread the load, ease into final position using gentle foot pressure.

7) Wen finally positioned, apply a 5mm bead of EX240 all around the seal and on the butt joints.

8) Inspect ad check work and re-fix floorboards.

MATERIAL SAFETY DATA

1) Identification – TNF70 a mineral fibre batt coated on one face with white acrylic fire rate mastic that can be used as lightweight acoustic, smoke and fire barrier.

2) Composition – High density rock fibre slab painted with an ablative coating non-hazardous.

3) Hazard Identification – Non-hazardous as defined by the chemicals (HIP) regulations 1993.

4) First Aid Measures –
Inhalation – Move in fresh air. In case of irritation to respiratory systems or muceous membranes seek medical advice.
Skin Irritation – If skin is affected wash with plenty of soap and water. Do not use solvent or thinners.
Eye Irritation – Flush eyes with clean fresh water for at least 10 minutes. Seek medical advice.

5) Fire Fighting Measures – The product is not flammable. However in a fire he coating does release chemically bound water molecules to form steam. Fires should be fought with water mist, CO2 of foam dry powder.

6) Wear gloves and overalls but this is not mandatory. To be stored in dry place away from eating, drinking or smoking areas.

7) Exposure Control (Personal Protection) – It is advisable to use eye protection if installation is above head height. Avoid contact with skin as much as possible the fibre batt content can be an irritant long term exposures to excessive amounts of dust may lead to adverse effects. If working for prolonged spells wear a mask.

8) Chemical Properties – The ablative coating is a mixture of resins, pigments, mineral extenders, additives and organic solvents.

9) Toxicology Information – No toxic effects unless burnt.

10) Disposal Considerations – Waste products are not hazardous and their disposal should be in accordance with local regulations.

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