



Sempafloor®



MOULD GROWTH CONSULTANTS LTD

Unit A3, Longmead Business Centre, Blenheim Road, Epsom, KT19 9QQ

Tel: 01372 743334 Fax: 01372 720856

Website: www.mgcltd.co.uk Email: info@mgcltd.co.uk

Sempafloor®

Thermal/Sound Insulation for Floors



General:

SEMPAFLOOR is a unique insulating lining specifically designed for application to a wide range of floors. SEMPAFLOOR can be used as either thermal insulation for cold surfaces or as acoustic insulation where impact noise is a problem. In both situations it is an excellent, easy to install, economical solution. For over 20 years SEMPAFLOOR has been specified and successfully used by Local Authorities, Housing Associations, County Authorities, commercial and industrial outlets throughout the UK and Europe. It can be used on a broad spectrum of buildings and structures including flats, houses, schools, village halls, private homes, hotels, offices, universities, hospitals etc.

Condensation and Thermal Performance:

SEMPAFLOOR can be used on concrete floors, solid floors and is particularly useful where "cold bridging" is the cause of condensation and mould growth. SEMPAFLOOR provides an excellent thermal barrier to prevent transmission of cold from outside. It will also reduce heat loss, providing substantial energy saving and reduction in heating bills. It overcomes the problem of foam backed carpets sweating up against concrete floors and the age old complaints of "rising damp" in the middle of the floor.

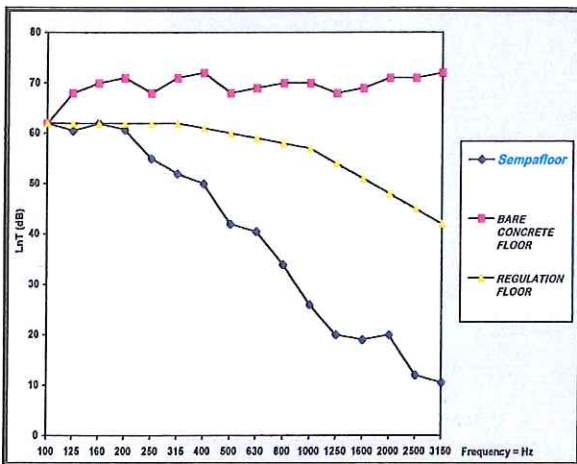
SEMPAFLOOR can be used on any type of floor and is ideal for use on "flying bedrooms", rooms over garages or driveways and rooms over external passageways. It has substantial benefits on park home floors and rooms in older properties located over cellars/basements.

Acoustic Insulation:

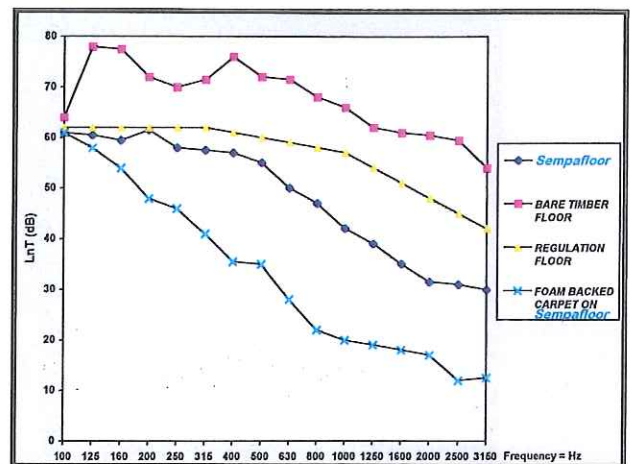
SEMPAFLOOR can be used on all types of floor construction to reduce noise problems. It has excellent acoustic insulation ability and is particularly good for reduction of impact sound. It is particularly useful in houses of multiple occupancy (HMOs) for overcoming sound transmission complaints. SEMPAFLOOR has been tested by two independent authorities and the results show a dramatic reduction in the level of noise.

Impact Sound Transmission – Test Results:

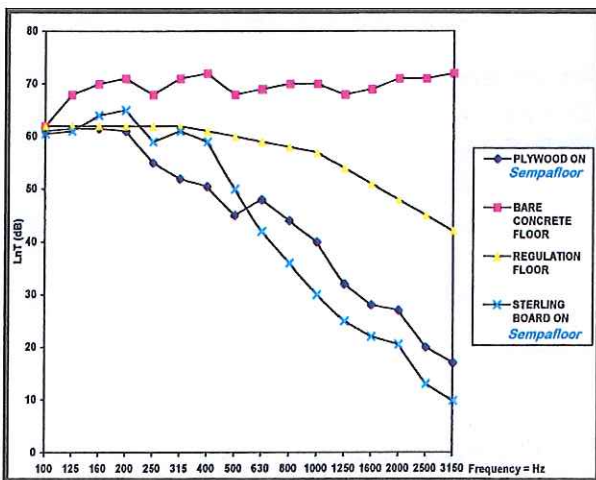
REGULATION FLOOR,
CONCRETE FLOOR, SEMPAFLOOR



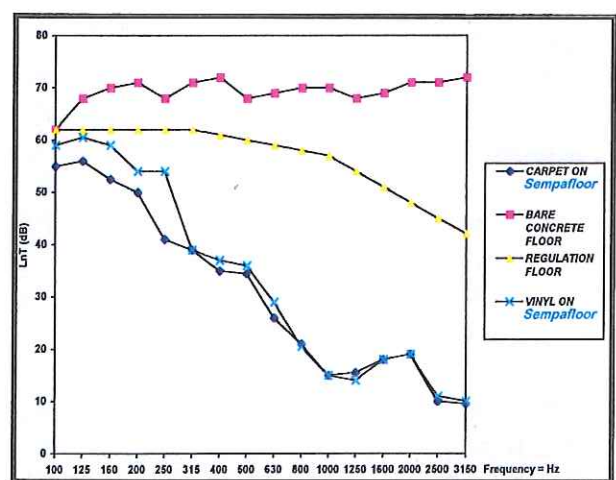
REGULATION FLOOR, TIMBER FLOOR,
SEMPAFLOOR, FOAM BACKED CARPET
ON SEMPAFLOOR



REGULATION FLOOR, CONCRETE FLOOR,
STERLING BOARD ON SEMPAFLOOR,
PLYWOOD ON SEMPAFLOOR



REGULATION FLOOR, CONCRETE FLOOR,
"AXMINSTER" CARPET ON
SEMPAFLOOR, VINYL (SHEET) ON
SEMPAFLOOR



Technical Information:

SEMPAFLOOR is made from a natural material, latex, with a non woven polyester surface which provides an ideal finish for the application of all types of floor covering including carpet, vinyl, wood panel and tiles. The product is flexible and provides excellent indentation recovery which allows the use of SEMPAFLOOR in the heaviest of traffic areas. SEMPAFLOOR will not deteriorate or crumble and is very hard wearing and resilient to point loading.

Roll size: 12.5m x 1m
Thickness: 4.5 mm
Roll Weight: 21 kg
Weight m²: 1.681 kg

Independent Tests.
Fire Classification : M2, SME No. 10975-03 May 2003
Acoustic Tests- dB Acoustics & Environmental Service

Application:

SEMPAFLOOR is supplied in rolls 12.5 long and 1 metre wide. Floor surfaces require minimal preparation and in most circumstances it is not necessary to remove skirting.



Apply SEMPATAP ADHESIVE to floor surface

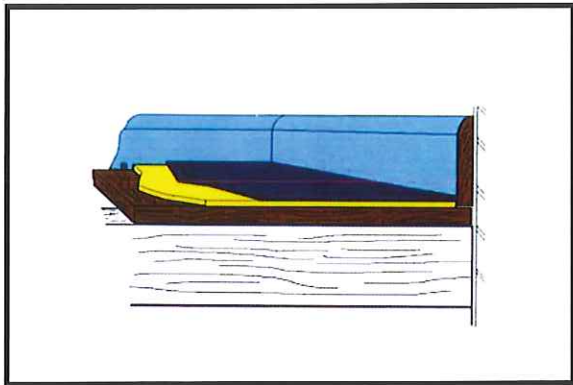


Roll out SEMPAFLOOR insulation

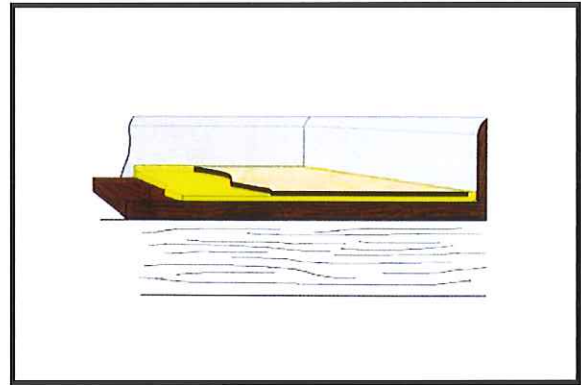


Remove any air pockets and fit SEMPAFLOOR

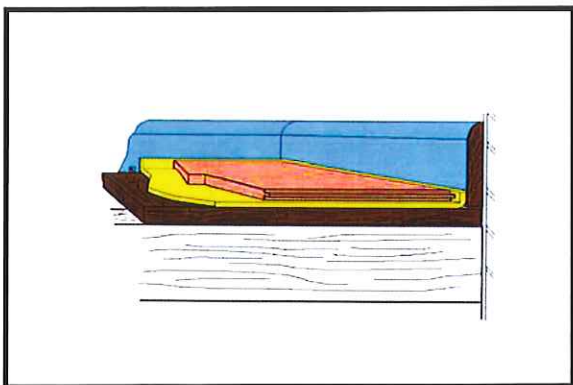
SEMPAFLOOR can be overlaid with virtually any covering including carpet, tiles, linoleum, laminate flooring etc.



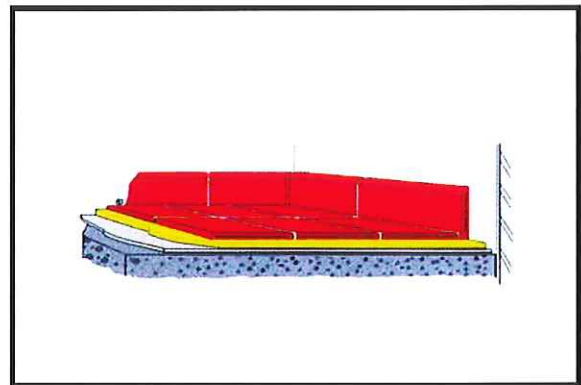
Sempafloor application to floor with carpet finish



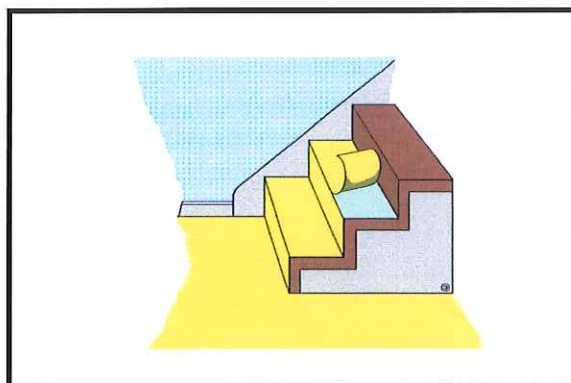
Sempafloor application to floor with linoleum finish



Sempafloor application to floor with timber board or laminate finish

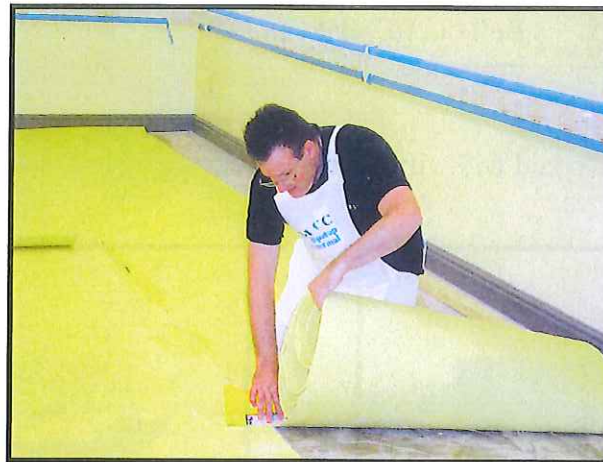


Sempafloor application to floor with quarry tile finish



Benefits of SEMPAFLOOR :

- Easy and quick to install
- Floors warmer immediately
- Excellent sound absorption
- Cost effective
- Reduces condensation problems
- Reduces heat loss – saves money



The SEMPATAP Range:

SEMPATAP 5mm, SEMPATAP THERMAL, SEMPAFLOOR
SEMPATHERM RADIATOR INSULATION PANELS, SEMPAFLUE CHIMNEY BALLOONS



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SOUND & THERMAL INSULATION FOR FLOORS

APPLICATION INSTRUCTIONS

1. SURFACE PREPARATION - ensure floor surface is firm, dry, free from dust, mould, grease and all other contaminants. Screw down loose, squeaking floor boards. Mould contaminated surfaces must be sterilised using RLT BACTDET 05. Dilute at 1:4 with warm water and apply by brush, cloth or sponge to remove mould. Allow surfaces to dry thoroughly.
2. Highly absorbent and/or concrete surfaces will require priming with one coat of SEMPATAP 'A' PRIMER. Apply one coat by brush and allow to dry before proceeding.
3. Make good any large gaps, cracks and holes in concrete floors.
4. Uneven timber floors should be boarded out with 5-6mm ply prior to the installation of SEMPAFLOOR. Depending on the degree of unevenness, standard hardboard may suffice.
5. Where SEMPAFLOOR is to be used for acoustic insulation remove all skirtings to allow for upstand of SEMPAFLOOR to skirting height. Cut SEMPAFLOOR to length, allowing appropriate overlap at each end and around the perimeter of the room. For thermal use allow 25mm excess only.
6. Roll-up cut length of SEMPAFLOOR with **foam** facing out.
7. Apply one coat of SEMPATAP ADHESIVE with SEMPATAP ADHESIVE SPREADER, notched trowel or medium pile roller to an area not more than 5-6 square metres, 1 metre width.
8. Unroll first metre of SEMPAFLOOR (keep remainder rolled-up), and apply **foam** side to wet adhesive. Smooth out using SEMPATAP SPATULA. Using SEMPATAP SPATULA tuck SEMPAFLOOR into wall/floor junction and/or under skirting.
9. Roll out remainder of SEMPAFLOOR and ensure it is smoothed out using the SEMPATAP SPATULA and firmly positioned.
10. Butt join subsequent lengths of SEMPAFLOOR and continue application until the entire floor is covered.
11. Trim surplus using a sharp-bladed knife (the type of knife with a snap-off blade is ideal). If before the application of the final floor finish there is to be a covering of plywood or similar material, the overlap should be cut away after the application of such materials. Ensure boards are applied cross lined to the direction of SEMPAFLOOR.
12. Cover with chosen floor finish.

Site and application conditions vary widely and, therefore, all application instructions are given in good faith and are based on our experience and knowledge but without liability.



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