

Spacetherm® Product Range - Essentials

SPACETHERM AEROGEL INSULATION

This information will help employers, self employed and DIY enthusiasts.

Spacetherm gives off dust when handled. This sheet covers the points to reduce exposure to an adequate level.

Follow these points or use equally effective measures.

Only attempt this work if you are a competent tradesman or DIY enthusiast.

Storing Spacetherm?

The products should be kept in their packaging until they are ready to be used.

Unpack the material outside or in the work area to minimise the area where dust exposure may occur.

Handling the material?

Handling

When manual handling this product use correct manual handling techniques:

- Use two persons to lift due to the weight of the boards.

Lifting

Although Spacetherm is an incredibly durable product it needs to be handled with care prior to installation.

N.B. Boards can break if they are lifted at the ends.

- Lift in the middle and do not bend
- Spacetherm weights dependent on board - approx 25 - 37 kg

A Proctor Group notes for cutting, handling, installing and fixing of spacetherm product boards (full range)

What this sheet covers

This sheet describes what is commonly referred to as good practice when you need to handle, cut, install and fix Spacetherm boards to your property.

This sheet does not replace your statutory duty to carry out a proper assessment of the risks involved when doing this. If you are in any doubt you should seek advice from the A. Proctor Group Ltd.

Preparing the work area

- Ensure safe access and egress
- Restrict access – control the number of people entering the work area
- Close all unnecessary doors, seal if possible
- Plan how you are going to do the work before you start
- Product is best cut outside where possible

Equipment

- Dust sheets and tape
- Class H vacuum cleaner (BS EN 60335)
- Jigsaw or circular saw (110 volt)
- Generator if required
- Battery drill and appropriate fixings
- Appropriate PPE as specified

Spacetherm[®] Product Range - Essentials

SPACETHERM AEROGEL INSULATION

PPE (Personal Protective Equipment)



Disposable coveralls with hood covering all exposed skin. Bin after use.



Workers should use latex or nitrile gloves.



Best to wear suitable glasses or Goggles.



Respiratory protective masks FFP3 is recommended when working with a dusty product.

House keeping

This product will generate dust when handled. Workplace exposure to all dusts should be controlled with good housekeeping practices, as follows:



Local exhaust ventilation should be the primary dust control method when cut inside.



Clean the work environment regularly (a few times a day) using a HEPA filter vacuum (not a broom or water).



Trimmed material and scrap should be promptly disposed of in bags; minimizing dust to other areas.



Always wash hands after use, especially before eating.

Cutting of the material

Where possible it is recommended that the product is cut outside.

- Mechanical cutting is best done with a jigsaw or circular saw, over a plastic sheet to contain dust, wearing appropriate PPE.

Fixings/Construction Types

We recommend that the following fixings are used on our products.

- Spacetherm Directfix (anywhere)** - powder actuated tool fixing, nail gun, self-tapping screws, plastic plug and screw.
- Spacetherm Wallboard (timber stud)** - fixes to a timber batten using plasterboard screws
- Spacetherm CBS (anywhere)** - powder actuated tool fixing, nail gun, self-tapping screws, plastic plug and screw.
- Spacetherm Multi (for walls)** - fixes to a timber batten or lath and plaster using appropriate dry wall screws. If fixed directly, powder actuated tool fixing, nail gun, self-tapping screws, plastic plug and screw.
- Spacetherm Multi (for floors)** - floating floor loose laid with boards tightly butted. Seal joints with a suitable tape e.g. Wraptite Tape.