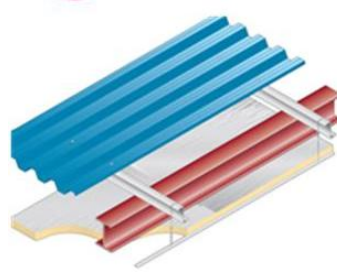


## Insulation



As prices for heat and fuel spiral and we accept global warming as a factor in our lives, we're told to insulate, insulate, insulate! We just can't live or work comfortably without it. Meeting the ever changing and increasingly high standards being set by Building Regs., means there are more technical products on the market place and the choice is great. You may need product for fire walls or perhaps you simply want to conserve heat in during winter and keep it out during the summer. Whatever your need or budget, we have a comprehensive range of high spec materials for industrial and domestic situations from the best manufacturers in the world. For those looking for a cheaper option, we have seconds quality rigid insulation boards, ideal for barns and workshops. If you can't see what you're looking for, then please call us as only an example of products we supply is given here.

### How are they made?

Manufacturing processes vary from type to type, from those using recycled products to other chemical processes. But one thing for sure is that all manufacturers today are working hard to achieve the highest environmentally friendly products, which will continue for many years to be efficient.

### Which one do I need?

We're giving her a brief overview of the products available, but there are dozens of options. Some will do similar jobs, but for some projects you need very specific materials, perhaps from direction by architects and designers. Please ring and let us help you decide on the right product for you and your budget.

### How do I fix it?

You can see our fixing notes below for some common sense advice, but all the manufacturers of insulation have very particular methods for fixing and we recommend that the follow their instructions to the letter. Please email [enquiries@panelsandprofiles.co.uk](mailto:enquiries@panelsandprofiles.co.uk) so we can provide the appropriate data sheets.

### How long from order to delivery or collection?

If we have in stock what you need then the lead-time is usually seven working days. For materials which we order in for you, then allow ten to fourteen working days from the date you place your order. We will always do our best and keep you informed. Collection of orders from your yard can speed things up considerably.

### Not sure what you're going need for your project?

While we have many long term customers, we're used to dealing with people who haven't 'tackled a project such as this before. If you're looking for insulation for a diomestic environment, then some of our other product range will not be of interest. But if you are embarking on a sheeting project, take a look at the following list of components, as while you may only need some of them, you will need to have thought about whether you need them all or not! We can talk you through the project and can deliver any of these products or the whole package if you want us to.


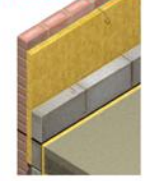

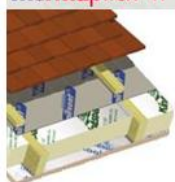


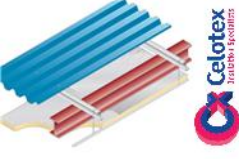
- [Metal sheeting](#)
- [Ridges and barges](#)
- [Foam fillers](#)
- [Translucent rooflights](#)
- Gutting ( [plastic](#) and [made-to-measure](#) metals are both available)
- [Z Purlins](#)
- [Tec screws](#)

## Handling and storage

All site H&S procedures, manual handling and risk assessments should be adhered to.

Insulation should be store inside or at the very least under cover where they will not be damaged by vehicles and people. Store flat on pallets, and as some products are lightweight, ensure they will not be damaged by wind.

## Products

<p><b>Crown FactoryClad</b></p>  <p><b>KNAUF INSULATION</b></p>	<p><b>Crown FactoryClad</b> is a flexible, lightweight roll which is made of non-combustible glass mineral wool with exceptionally high tear strength. It is produced in a range of four different thermal conductivities and is manufactured 1200mm wide and in long lengths. This makes it particularly suitable for thermal and acoustic insulation for rail and bracket systems of metal profile sheeting, including in twin skin and standing seam roofs. With an A1 fire classification, its use may reduce insurance premiums compared to composite panels.</p>
<p><b>Rockwool Cavity</b></p>  <p><b>ROCKWOOL</b></p>	<p><b>Rockwool Cavity</b> is for insulating new masonry walls and offers excellent thermal and fire insulation and an especially neat fit against brickwork. It will reduce heat loss without allowing water to transfer from the outer inner layer. Certified for all exposure zones, it comes in 1200mm x 455mm slabs, in six thicknesses from 65mm to 120mm. Rockwool state that it remains efficient for up to 30 years, ensuring it will.</p>
<p><b>Fire Barrier Systems</b></p>  <p><b>ROCKWOOL FirePro</b></p>	<p><b>Rockwool Fire Barrier</b> is part of the family of specialist FirePro products. It is designed to prevents the spread of fire and smoke within roof and ceiling voids and when vertically hung, Fire Barriers are capable of achieving both integrity and insulation protection periods from 15 to 120 mins. Rockwool's essential insulation performance that limits the heat transfer through the barriers, preventing ignition of combustible materials in adjacent areas.</p>
<p><b>Thermapitch TP10</b></p>  <p><b>Kingspan</b></p>	<p><b>Kingspan Thermapitch TP10</b> is a rigid urethane board which is faced both sides with foil, significantly increasing thermal resistance. It is made from a high performance CFC/HCFC-free polyisocyanurate (PIR) based formulation. It's vapour resistant and without risk of condensation. It's ideal for both new and refurbishment projects and is available from 25mm to 155mm in thickness. It's easy to handle, cut and install.</p>
<p><b>Spacesaver, Spacesaver Plus</b></p>  <p><b>ISOVER</b></p>	<p><b>Spacesaver and Spacesaver Plus</b> from Isover are glass mineral wool insulation rolls suitable for thermal insulation in domestic-type pitched roofs. 80% of the raw materials used to make this products are recycled. It is odourless, totally non combustible and does not readily absorb moisture. Rolls come in ready cut widths to suit normal roof joists.</p>
<p><b>Rocksilk Universal Slab</b></p>  <p><b>KNAUF INSULATION</b></p>	<p><b>Rocksilk Universal Slab</b> is manufactured for many applications in buildings, services and industry providing excellent thermal and acoustic properties. It is a faced or unfaced mineral wool which is non-combustible and is rot proof. It comes in a wide range of densities, all 1200mm x 600mm in size.</p>
<p><b>Celotex Double-R™ LG3</b></p>  <p><b>Celotex</b></p>	<p><b>Celotex Double-R™ LG3</b> is a high performance insulation board for use in commercial, agricultural and industrial buildings. It comes with a white painted stucco embossed foil face providing a semi-decorative internal finish. It can be installed both over and under purlin, has approval from the Loss Prevention Certification Board (LPCB) and has a Euroclass B fire rating. It's fully approved by fire insurers for use on commercial and industrial buildings. This lightweight and easy to install board is easily cut to shape from standard board size of 1200mm x 2400mm.</p>

## FIXING NOTES

With over thirty years' experience, here are some of the tricks of the trade to save you both time and frustration when fixing insulation:-



- Does your insurance require an LCPB approved product? Check this out before you buy anything.
- If you are replacing insulation make sure that you replace an LCPB product with another with the same rating. Otherwise you may not be covered by insurance.
- Always use an insulation product designed to do the job you want or it could prove to be a waste of money.
- Careful installation is required to make sure you get a vapour seal to prevent condensation.
- Think carefully about where condensation is a potential problem and how you are going to get insulation into that area.
- If you're lining an existing building, bear in mind that the original structure might not be strong enough to carry the weight you are proposing.
- Consider doors and openings in buildings when deciding how you're going to fix insulation as you may need more fixings than you originally think.
- Foil faced boards are not designed to be an internal finish.
- Don't use insulation that has become wet.
- Sometimes boards and wool are used together to achieve the right U Value.
- During fitting, ensure adequate ventilation and wear a mask and eye protection.
- Keep work areas clean by vacuuming or by dampening down with water and then brushing.
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Your notes on insulation: