

Overview of Wall Rock insulation for internal walls

(Wallrock Thermal Liner KV600 <https://coveryourwall.co.uk/>)

If you are keen to stop mould, or reduce the heat loss through your walls causing high fuel bills, then I recommend you use the information below.

If you can put wallpaper up on a wall, you can use Wallrock KV600 which is felt like with a paper surface. It will reduce the heat loss through your wall by 15% and helps to stop mould caused by condensation if you have that problem, and it costs only £10.50 a square metre. It is around 4mm thick and can be painted over as in the picture below.

The backdoor extension to our kitchen was called the cold hole with dripping water plus mould. One layer of Wallrock KV600 has sorted it - amazing



Our house was built in 1926 with solid walls. I was shocked to find that when the temperature outside was 7 degrees, the outside wall of my lounge where the radiator is, showed a temperature of 14 degrees. I was heating the world by 7 degrees! I took the radiator off and applied two layers of Wallrock KV600 plus lining paper at a total of £23.42 a square metre which reduces the heat loss by about 25%. The same as the attic Rock Wool insulation. The outside temperature on that wall has dropped 4 degrees to 10 degrees. I also put aluminium foil behind the radiator.



The second photo shows the wood I put on the wall to bring the radiator bracket out as two layers of Wallrock is 8 mm thick. To the right of the mains socket you can see the two layers.

At the top of the photo is the mains socket 10mm spacer frame, £6.19 for two. Rectangular double socket is £3.85 for one. On the last page of this write up is a summary and full list of what to buy and where from.

The photo shows the cardboard former I cut to shape for the radiator bracket and mains socket which I then used to cut Wallrock. The Wallrock KV600 is a felt like fabric with a paper surface one side. I used scissors to cut it.



You do not need to take existing wallpaper off first before applying but the wallpaper needs to be in good condition. I recommend using a spiked roller to make small holes for the special adhesive to adhere to. I spoke to Retford Wallcoverings, the manufacturers, about using two layers of Wallrock and they recommended using the spiked roller on the first layer. The spiked roller costs £27.96.

A 15 metre x 100 cm roll of Wallrock Thermal Liner KV600 covers 15 sq metres and is equivalent in area to 2.5 rolls of wallpaper. 10kg of Wallrock Thermal Liner Adhesive is needed and when bought together costs £157.48. If unsure about the need for a primer/sealer suggest check with Retford Wallcoverings on 01427 616 597 and ensure a hydrophobic one is not used that would cause the Wall Rock adhesive not to dry.

I applied liberally using a small fluffy roller to put it in the wall. It is important to use this adhesive rather than wallpaper paste. It has a very high specification. It contains a natural starch and must not be stored where it could freeze. Also, it should not be used at less than 10 degrees. The challenge is storing it where the temperature does not go below 5 and not above 20 degrees. So, if the project is being done DIY over a period of months best to not do the task in the summer months. Or purchase a 45 litre mains powered cool box with temperature control such as Hi-Gear. For details [Click Here](#). The temperature knob should be turned down before switching on and off. A fridge thermometer is £5.28. For details [Click Here](#). The shelf life of the adhesive when stored correctly is 12 months from manufacture.

Use a foam roller over the Wallrock surface after applying to make sure it is fully attached. If there are gaps in the edge of the Wallrock KV600 after putting it up do not use decorators caulk which has shrinkage when drying. I suggest using Wallrock Caulk King costing £2.99

After putting up the Wallrock KV600 you can paint it if one layer or put up lining paper first before painting if two layers. 15 sq metre Wallrock Fibreliner Smooth with 5kg of Wallrock Power Adhesive costs £36.42. You can also put up other wallpaper – it is however important to ensure that any papers hung directly to the KV600 are of a ‘paste the wall’ type, as these do not shrink or expand, and that a suitable adhesive is used, such as Wallrock Power Adhesive.

Also, see my web site insulation page about how easy it is to drop Aluminium Foil behind a radiator to reduce heat loss. <https://ccinfo.org.uk/insulate/>

The manufacturers of Wall Rock Thermal Liner KV600 are Retford Wallcoverings Telephone 01427 616 597 web www.anaglypta.co.uk

Summary with order list at the end

Wallrock KV600 Thermal Liner – Internal Wall Insulation Overview

What Is It?

Wallrock Thermal Liner KV600 is a specially designed wall insulation product that combines thermal efficiency with ease of application. Ideal for solid-walled homes, it's especially suited for DIY retrofitting. Manufactured by Retford Wallcovering Limited, KV600 is:

- **4mm thick**
 - **Felt-like with a paper surface**
 - **Paintable and paperable**
 - **Applied with a specialist adhesive**
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Thermal Performance

- **Single layer:** Reduces heat loss by around **15%**
 - **Double layer:** Achieves up to **25% heat loss reduction**, comparable to loft insulation (e.g., Rock Wool)
 - **Helps prevent condensation and mould**, making it ideal for cold extensions or damp areas
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DIY Installation Notes

- **Tools Needed:** Scissors, spiked roller, small fluffy roller, foam roller, cardboard templates
- **Surface Prep:** Can be applied over sound wallpaper; use spiked roller to perforate surface for better adhesive grip
- **Adhesive:** Must use **Wallrock Thermal Liner Adhesive**, not wallpaper paste; it contains natural starch and must be stored below 20°C
- **Cutting:** Use cardboard formers to template around sockets or radiators
- **Wall Finish:** Can be painted directly, lined, or wallpapered (use paste-the-wall type only)

Practical Examples were given

- **Cold Kitchen Extension ("The Cold Hole"):** One layer of KV600 solved condensation and cold issues
- **1926 Solid Wall Lounge:**
 - Original wall temp: 14°C (outside 7°C)
 - After two layers: Outside wall temp dropped to 10°C
 - Also added aluminium foil behind radiator for extra heat reflection

Extra Tips

- **Avoid decorators caulk** on joints (it shrinks). Use **Wallrock Caulk King** instead.
- **Paint or wallpaper** once fully dry. Always allow proper drying time.
- **Avoid hot summer installs** due to adhesive storage limits.
- **Use aluminium foil** behind radiators to further cut heat loss — easy and cheap (see: <https://ccinfo.org.uk/insulate/>)

Suitability

Wallrock KV600 is **especially good for older homes with solid walls**. If you can see the brick ends on a wall then it is a solid wall. It's also ideal for:

- Cold spots like kitchen extensions
- Behind radiators
- Mould-prone walls
- DIY retrofitters looking for a cost-effective insulation upgrade

Ordering list

If you are using the printed version of this, please go to <https://ccinfo.org.uk/insulate/> and use **Click Here** on the **Wall Rock** section to be able click on the ordering links.

To order from <https://coveryourwall.co.uk/> Click each item below and do 'Add to Cart'.

Wallrock Thermal Liner KV 600 plus 10 kg Wallrock Thermal Liner Adhesive

<https://coveryourwall.co.uk/collections/wallrock-range/products/wallrock-kv600-thermal-liner>
£157.48

Three rolls of 55cm x 10m <https://coveryourwall.co.uk/products/wallrock-fibreliner-smooth>
£23.94 REMEMBER TO DO + FOR THREE ROLLS

5kg Wallrock Power Adhesive for when using wall paper

<https://coveryourwall.co.uk/products/wallrock-power-adhesive> £12.48 Covers 27.5 metre area.

Wallrock Caulk King <https://coveryourwall.co.uk/products/caulk-king-wallrock-premium-filler-and-sealant> £2.99

Total from Cover Your Wall Web Site £196.89.

This is with a 15 sq metres roll, a single layer Wallrock KV 600 is £10.50 per sq metre with no lining paper or £23.42 per sq metre with two layers Wallrock KV 600 plus lining paper.

Below items from Amazon

Item	Price
Small decorating roller set	£7.99 Click Here
Decorators caulk gun 380	£7.65 Click Here
Spiked roller (for adhesion)	£27.96 Click Here
Socket spacer frames (2-pack)	£6.19 Click Here
Double socket frame (1-of)	£3.85 Click Here

Contact & Resources

Bill Upchurch 31-03-26 Email: bill@ccinfo.org.uk

Climate Change Info Web: www.ccinfo.org.uk

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