



COBALT CARBON FREE

CASE STUDY

PAWEL'S HOUSE



PROJECT OVERVIEW

This project involved a detached 1960s/70s house with cavity walls and suspended timber floors. The property footprint is approximately 105m² across varying external ground levels. The customer's enquiry was to improve the comfort of the ground floors, which they described as consistently cold and noticeably draughty. They had attempted some DIY insulation by accessing the void space under the floors but soon realised that the limited space and uneven ground levels made much of the floor area inaccessible. Recognising the challenge, they decided to call in the experts.



What a fantastic company! Since the initial contact I was met with professionalism and courtesy that others could learn from. Not sure if I can mention names in a review but a massive shout out and thank you to everyone who was involved. Customer Service, PM Team and two very friendly installers :)
PAWEL DJEBAILI



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SCOPE OF WORK

After surveying the property and discussing access challenges and priority areas with the customer, we recommended a phased approach. This allowed the work to be completed in stages, fitting with the customer's availability and budget, while ultimately achieving the same goal. For Stage 1, we focused on the two main living rooms, where insulation needed to be installed from above due to limited space below. Stage 2 covered the hallway and kitchen, which could be accessed from underneath as the ground levels allowed enough space. The customer completed both stages within two years, allowing us to work at a pace that suited them.

THE SOLUTION

Insulating floors from above involves lifting the existing floor finish and floorboards to reveal the floor joists. In most cases, the original floor finish, such as carpet, can be refitted. Once the floor joists are exposed, we check their condition and carry out any necessary structural or damp repairs. With the floors up, we can also inspect and clean ventilation, as well as check any service runs like heating pipes, which are often exposed and causing heat loss. We cover these pipes with thick insulation to prevent unnecessary energy use.

An air guard membrane is then fitted between and over the joists, with all joints and edges taped to act as an air barrier and protect the insulation. We install a 70mm thick rigid phenolic foam insulation board, cut to fit snugly, ensuring all gaps are sealed. A second layer of air guard membrane is applied over the top, followed by a new moisture-resistant, tongue-and-groove chipboard floor, ready for the customer's planned new carpet.



For a warmer, more energy-efficient home that's healthier, quieter, and kinder to the environment, insulation is a smart investment. Contact Cobalt Carbon Free today to find out how we can help transform your home with our high-quality, eco-friendly solutions!

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THE CHALLENGE

The varying ground levels presented a challenge, requiring a mix of insulation methods from above and below. As the property was occupied during the day, we developed a phased, room-by-room work programme to minimise disruption. This approach also helped manage space and allowed for the smooth movement of furniture.

CONCLUSION

Phase 1 of the project was completed in five days, and Phase 2 in two days. The floors of this 55-year-old house are now fully upgraded, leaving the customer feeling much more comfortable while working from home and reassured that they have made positive improvements to their home, finances, and the environment.

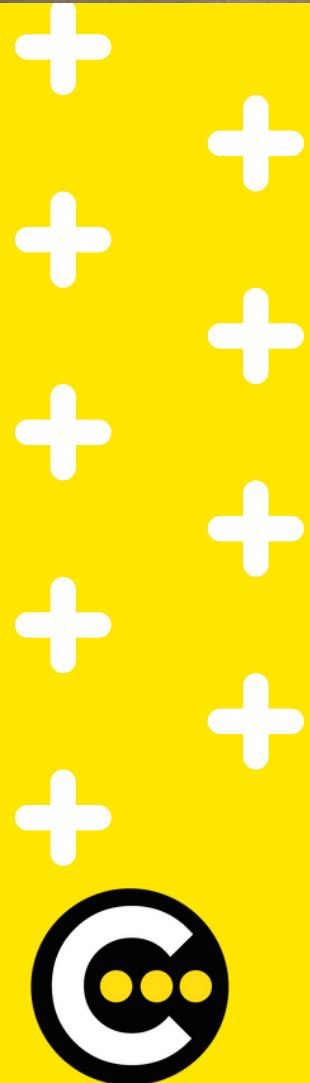
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I needed a suspended floor insulation installed and I'm so happy I chose Cobalt as the installer. From arranging a home visit to take measurements, through the quote process, installation and post installation service I felt I was cared for, my questions were answered promptly and correct advice was given throughout.

I was also positively surprised to have a Project Manager paying me a visit just to make sure measurements were correct and that I was happy with all the arrangements. He was in contact with me throughout and arranged an aftercare visit as well.

I knew exactly what to expect at all times and they took care of everything including a skip and building control registration.

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