

FLAT ROOF INSULATION · RUTHIN

One garage roof. One day.

Insulated, decked, membraned and finished between lunch and seven. Every layer photographed.



Swipe →

13:04, BEFORE



THE STARTING POINT

Old felt, worn fascia, nothing under it.

A 1970s semi with a flat roof over the garage and porch. The felt had done its years and the room above the garage was the cold one.



LAYER 1

Vapour control layer.

Lapped and sealed over the existing roof, so warm, moist air from the house cannot reach the insulation from below.



LAYER 2

140 mm of foil faced PIR.

Laid tight and taped, joints staggered. This is the layer that changes how the room below feels.



LAYER 3

A new OSB deck on top.

Fixed through the insulation into the joists. A flat, firm base for the membrane, tying the build up together.



LAYER 4

One sheet of EPDM rubber.

Bonded to the deck with no seams across the roof, edges dressed down over new drip trims.

18:59, AFTER



FINISHED

New fascias, new drip edge, new roof.

Same spot as the first photo, six hours later. One day, nobody moved out.

WHY A WARM ROOF

Insulation above the joists, not between them.

- The timber stays on the warm side, so condensation has nowhere to form.
- One sheet of EPDM on a new deck: no seams across the roof for water to find.
- The room underneath stops being the coldest in the house in winter and the hottest in summer.
- A new covering on its own does none of this. The insulation is what changes the room.



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Got a flat roof like this?

- ✓ PAS 2030:2023 certified for flat roof insulation
- ✓ TrustMark registered
- ✓ Insurance Backed Guarantee issued by Energy Giants
- ✓ Every layer photographed, on every roof

Full case study: link in the comments

Homeowners get a free survey and a fixed price. Housing providers get a roof by roof survey and a build up that stands up to audit. 01200 407790 · energygiants.co.uk