News Release

radflek heat saving system for fitting behind panel radiators

radflek is a heat saving, energy reflecting system that is fitted discreetly behind standard panel radiators effectively blocking the transfer of heat into the wall. The main component is made from Eco-Brite® energy reflecting sheet certified by the BBA (British Board of Agrément) to have an Emissivity of only 0.048. This means Radflek has a reflective efficiency of over 96% which has been verified by the BRE (Building Research Establishment). The product is CERT rated by Ofgem as being capable of reducing CO_2 by 12.33kg CO_2 per m^2 of radiator per year.
Easily fitted behind the radiator Radflek sheets are simply cut with scissors. No adhesives nails, screws, additional location rods or fixing pads are necessary so it can be simply removed from behind the radiator for cleaning.

Radiator systems with Condensing Boilers

In order for condensing boilers to reach their optimum efficiency the water returning to the boiler should ideally be less than 50°C for most of its operational time. The radiators should have been sized by the heating engineer to operate at lower temperatures and yet still achieve the desired room temperature. By fitting a radflek kit behind the radiator, virtually all the available heat is encouraged to transfer into the room and not be lost into the wall. The lower operating temperatures required by condensing boilers can reduce the useful radiation and air convection from the radiators, so it's important heat is not lost through the wall behind the radiator.

Older radiator systems with Non-Condensing Boilers

Older boilers and radiator systems are normally designed to operate at higher temperatures than condensing boiler systems, so radiators in older systems can be smaller in size. By fitting a radflek kit behind the radiator, virtually all the available heat is encouraged to transfer into the room and not be lost into the wall. Although the higher operating temperatures would potentially increase the useful heat, much of the heat radiating from the back surface of a panel radiator just warms the wall and conducts away into the wall's structure.

Older homes

Homes built to the old Building Regulations usually have walls with much HIGHER U-values than the current requirement. The HIGHER the U-value the more heat will conduct through the wall. In older houses where radiators are mounted on outer walls and adjoining walls to other properties, even more heat can escape.

Radiator Cabinets

In many homes in order to improve appearance the radiator is hidden in a purpose designed

cabinet. Unfortunately fitting a cabinet will greatly reduce the efficiency of the radiator and much more heat will be absorbed by the wall. It is strongly recommended that a radflek should ALWAYS be installed behind the radiator when a radiator cabinet is fitted.

More information about radflek kits is conveniently available on www.nbs-home.co.uk

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471 words

radflek pack.

Fitting radflek behind a panel radiator

Note to Editorial Teams
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