



OPTIM-R™

VACUUM INSULATION PANELS WITH A BONDED PROTECTION LAYER

Kingspan OPTIM-R™ panels are now available with a pre-bonded protective facing, offering superior product protection and helping to streamline installations.

The new protective layer can be bonded to one or both faces of the *Kingspan OPTIM-R™* panel, on all thicknesses from 20 mm to 60 mm, eliminating the need for additional protective sheeting when installing directly onto substrates. The pre-bonded *Kingspan OPTIM-R™* panels can be used in a range of different applications and can help to simplify and streamline installations, saving both time and cost.

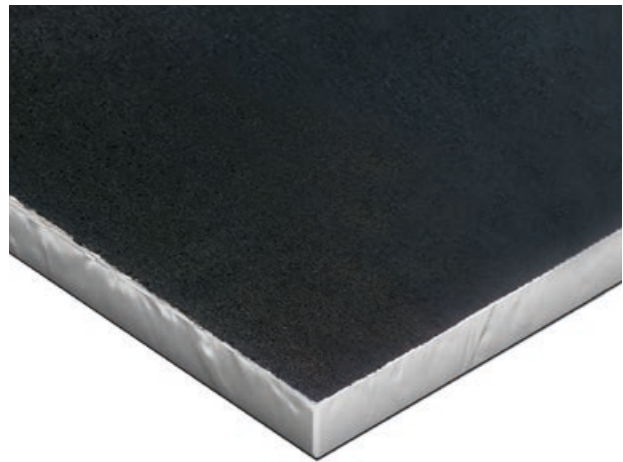
Kingspan OPTIM-R™ panels feature a microporous core which is evacuated, encased and sealed in a thin, gas-tight envelope. With an aged design value thermal conductivity of just 0.007 W/m-K, they can achieve the desired U-value with a thickness up to five times slimmer than other commonly available insulation products. As a result they can provide a solution for areas of the building envelope which would previously have gone uninsulated due to a lack of available space.

20 - 40 mm thick *Kingspan OPTIM-R™* panels are certified under the demanding BDA Agrément® scheme. This independent certification is accepted by NHBC and the LABC and can help to fast-track projects through the procedures and approvals processes, further reducing project costs.

Kingspan OPTIM-R™ panels are available as part of a range of LABC approved *OPTIM-R™* Systems from Kingspan Insulation:

- Kingspan OPTIM-R™* Flooring System
- Kingspan OPTIM-R™* Roofing System
- Kingspan OPTIM-R™* Balcony & Terrace System
- Kingspan OPTIM-R™* External Wall System
- Kingspan OPTIM-R™* Rainscreen System
- Kingspan OPTIM-R™* Dormer System

All *Kingspan OPTIM-R™* Systems include *Kingspan OPTIM-R™ flex* strips of the same thickness as the *Kingspan OPTIM-R™* panels. These infills can be cut to fit around penetrations or load bearing walls. To ensure the required thermal performance is achieved with the thinnest possible build-up, Kingspan's specialist technical team also provide detailed layouts for every *Kingspan OPTIM-R™* System installation.



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