

CASE STUDY

Kooltherm™ FM Pipe Insulation & Kooltherm™ Insulated Pipe Support Inserts

Fitzroy Place

The Kooltherm™ FM Pipe Insulation System from Kingspan Industrial Insulation has been installed on the exclusive Fitzroy Place development in Fitzrovia, London W1.



The Exemplar development, master planned by Sheppard Robson, has been constructed around the first new square in the W1 area for over 100 years. Fitzroy Place comprises 235 stylish residences, luxury stores, a restaurant and top quality office space, in a construction overseen by Sir Robert McAlpine.

Every element of the scheme has been carefully assessed and completed to the highest of standards, with both office buildings receiving interim BREEAM ratings of Excellent. To ensure building services performed as efficiently as possible, the Kingspan Kooltherm™ FM Pipe Insulation System was installed on hot and cold water pipework throughout the development by PM Insulation and KAG Insulation.

With industry leading thermal conductivities as low as 0.025 W/m-K, Kooltherm™ FM Pipe Insulation provided a slim-line solution for reducing heat transmission from the pipework. This gave the installers more room to work when fitting the product in tight areas and allowed the clean, high quality aesthetic of the internal spaces to be maintained.

Kingspan Kooltherm™ FM Pipe Insulation offers excellent fire and smoke performance, with a best in class Euroclass Reaction to Fire performance of B_{1,s1,d0} and FM Approval to Class 4924. The product holds a high Green Guide Summary Rating of A/A+ and is manufactured to a BS EN ISO 14001: 2004 scheme.

Kingspan Kooltherm™ Insulated Pipe Supports were also installed as part of the Kingspan Kooltherm™ FM Pipe Insulation System. Independent thermal analysis has shown that these supports can reduce heat loss from pipework by a factor of ten when compared with wooden block supports. As a result, the product should help to further improve the overall energy performance of buildings across the development.

The Kingspan Kooltherm™ FM Pipe Insulation System is the first pipe insulation product to attain BDA Agreement® certification under the scheme. It is also the only pipe insulation to hold a national LABC Warranty and LABC Registered Detail. This can help to streamline the Building Control checking and approvals process, saving project costs and time. Additionally, it has also been awarded a best-in-class Eurofins Indoor Air Comfort Gold certificate, recognising it as outstanding material according to the VOC Indoor Air Quality emissions regulations.



In addition to its free Pipeline Technical Advisory Service which can be contacted on 0808 168 7363, Kingspan Industrial Insulation has now also launched Premier and Premier Plus Services. These services support purchases of Kingspan Kooltherm™ FM Pipe Insulation and the Kooltherm™ FM Complete Pipe Insulation System (which incorporates Kooltherm FireSleeves) respectively, delivering clear advice and guidance at every stage in a project, from the initial specification, to site visits and certification.



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