



## Carbon Infrared Emitters for Energy-Efficient Embossing

Carbon infrared (CIR) emitters from Heraeus Noblelight are helping Polyflor of Manchester to improve the quality of their flooring products and to improve dimensional stability during the embossing of their range of heavy duty homogenous floor coverings.

As a quality-driven organization, Polyflor decided to investigate its embossing process, which had previously used short wave infrared units to soften the 2m wide PVC web before it is embossed with decorative patterns. However, short wave proved very color-selective and geometric integrity was sometimes affected during heating. In an effort to solve this problem, Polyflor approached Heraeus, who then carried out extensive trials at their Neston Application Centre. These showed that medium wave infrared would ensure better drying results during embossing and a carbon infrared system was subsequently installed at Polyflor.

Polyflor's Neil Holden is very complimentary about the new system, "The new system has ensured that embossing no longer affects floor covering geometry. Moreover, we were very impressed with professionalism of Heraeus both in the investigations at their Applications Centre and in the way that the new system was installed with minimum interruption to the production process."

Heraeus specializes in the production and application of high quality energy sources covering the electro-magnetic spectrum from ultraviolet to infrared. It has over 40 years experience in infrared technology and offers the expertise, products and systems to provide efficient and effective solutions to drying, heating and curing problems throughout industry.



### Features

- 2m wide PVC web
- homogenous floor coverings
- dimensional stability during the embossing

### Technical Data

- carbon medium wave emitters
- carbon infrared system

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