

EC CERTIFICATE OF CONFORMITY

Reg.-No.: K1-0751-CPD-282.0-01-02/10

In compliance the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the

construction product: **"Permo Therm"**
products of phenolic foam (PF)
according to DIN EN 13166:2009-02
(for details see enclosed annex)

placed on the market by: **Kingspan Insulation B.V.**
4004 LL Tiel / Netherlands

and produced in the factory **4004 LL Tiel**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the approved bodies:

Forschungsinstitut für Wärmeschutz e.V. München, Identification Number: 0751
MPA Nordrhein-Westfalen, Identification Number: 0432

performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control and an audit-testing of samples taken at the factory, on the market or at the construction site.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

DIN EN 13166:2009-02

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 21 December 2010 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Gräfelfing, 21 December 2010



Head of Certification body

Dipl.-Ing. (FH) Wolfgang Albrecht

ANNEX TO EC CERTIFICATE OF CONFORMITY

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Construction product: **"Permo Therm"**
products of phenolic foam (PF)
according to DIN EN 13166:2009-02

Placed on the market by: **Kingspan Insulation B.V.**
4004 LL Tiel
Netherlands

and produced in the factory **4004 LL Tiel**

at the date of issue of the annex, the attestation of conformity relates to the following products:

Product name	Apparent density	Compressive strength	Reaction to fire class
Permo Therm	> 40 kg/m ³	> 120 kPa	E

Thermal conductivity

nominal thickness 45 – 120 mm

$$\lambda_D = 0,022 \text{ W/(m}\cdot\text{K)}$$

Gräfelfing, 21 December 2010

Head of Certification body



W. Albrecht
Dipl.-Ing. (FH) Wolfgang Albrecht