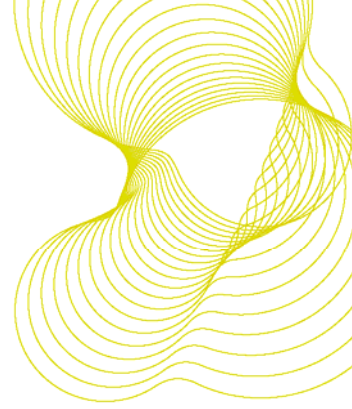


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4 November 2009

Our Ref. ja 041109

Dear Sirs

**Use of Pentane as a Blowing Agent for Expanded Polystyrene**

I am writing to confirm that the use of pentane as a blowing agent within expanded polystyrene achieves the Pol 1 Pollution Credit for Insulation Blowing Agents within the Code for Sustainable Homes and BREEAM.

The IPCC/TEAP Special Report: Safeguarding the Ozone Layer and the Global Climate System (2005) states that pentane has a lifetime of 0.01 years (3.65 days) (Table 2.6) and is therefore a very short lived hydrocarbon for which it is not possible to calculate a Global Warming Potential (GWP). It further states that in most cases, the local radiative forcing caused by a release of pentane "will be small compared with the GWP value of the long-lived HCFCs and HFCs".

On this basis, BRE Global believes the GWP of pentane to be below 5 and therefore use of pentane as a blowing agent will achieve the credit.

Yours sincerely

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