The purpose of this envirocare update is to ensure that all relevant parties are aware of this alternative method of attaching insulated roof panels to existing concrete purlins.

Panel attachment is via steel top hat sections, which are clamped to the purlins using staggered hook bolts.

This is generally applicable for existing buildings, where refurbishment is to be carried out and where existing concrete purlins cannot be drilled for structural reasons.

This update does not replace Technical Bulletin 31 issued in October 2006, but is an alternative to the BAND-IT method.

Section through purlin (Drawing No: EU71)
This detail shows a typical section through the purlin with a galvanised steel top-hat section.

The hook bolt layout / design can be carried out by IRP (Industrial Roofing Products Limited).

Company: IRP Limited
Tel: 01454 299 588
Contact: Richard Kendall
Email: sales@irpltd.co.uk

Should you have any queries on the above or require further information, please do not hesitate to contact the undersigned.

Regards

James Patrick M.I.o.R
envirocare Technical Services Supervisor
Licensed BREEAM Industrial Assessor
E-mail: james.patrick@kingspanpanels.com
Kingspan Insulated Roof Panel
(Typically KS1000 RW Insulated Roof Panel)

Custom made hook bolt
Staggered bolt locations in top-hat

Existing concrete purlin

Galvanised steel pressed top-hat section

Custom made hook bolt
Staggered bolt locations in top-hat

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envirocare Update No. 71 - Fixing to Concrete Purlins

Greenfield Business Park No.2
Greenfield, Holywell
Flintshire, CH6 7GJ
Freephone: 0800 587 0090
Tel: 01352 716 101
Fax: 01352 716 111

Drawing Title: Fixing over prestressed concrete purlins

Drawn By: JP
Date: 01/03/2010

Drawing No.: EU71
Page: 2 of 2

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Custom made square and / or half round hook bolts
and top-hat sections supplied by:
Industrial Roofing Products Limited
Spring House
Bury Hill Lane
Yate Rocks
Bristol
BS37 7QN
Tel: 01454 299588
Fax: 01454 294425
Email: sales@irptd.co.uk
Contact: Richard Kendall