

IMA ID/1/2010

Amended and approved: June 2018

Information document

Use of adhesives for securing rigid polyisocyanurate (PIR) and polyurethane (PUR) roofboards beneath single-ply waterproofing membranes

Introduction

Those decks where Rigid Polyisocyanurate (PIR) and Polyurethane (PUR) roofboards are secured using adhesives can appear to be adequately fixed during installation. However, where adhesive manufacturers guidelines are not followed, problems with strength of bond can appear at a later date, allowing boards to move under the single ply waterproof membrane and compromising compliance with wind uplift requirements.

Scope

The purpose of this document is to define the recommendations when using adhesives to secure rigid Polyisocyanurate (PIR) and Polyurethane roofboards (PUR) to a deck.

Guidelines

When using adhesive systems designed to adhere PIR boards to the deck:

- Check with the manufacturer of the adhesive that it is compatible with the insulation chosen and also check with the roofboard manufacturer that the adhesive is compatible with the insulation
- If compatibility is confirmed, ensure that roofing contractors are sufficiently trained to use the adhesive in the correct fashion
- Adhesion of the roofboards must be in accordance with the adhesive manufacturer's specification to achieve the appropriate wind uplift requirement.
- Pay particular attention to ensuring that the correct application rates are used and that the work has been carried out in suitable weather conditions (normally in dry, non-freezing

INSULATION MANUFACTURERS ASSOCIATION LIMITED

Chief Executive: Simon Storer. A company Limited by Guarantee. Registered in England No. 1369401. Vat Registration No. 305 7710 74

Registered Office: Units 10-12 County End Business Centre, Jackson Street, Oldham OL4 4TZ

Tel. 0161 672 7387 www.insulationmanufacturers.org.uk info@insulationmanufacturers.org.uk

conditions but check with both the manufacturer of the insulation and the adhesive) that will not compromise the performance of the system

- If there is any doubt as to the compatibility or techniques required to apply the adhesive seek guidance from the adhesive manufacturer and consider using an alternative fixing method such as mechanical fixing in accordance with the IMA Information Document ID/1/2009 'Mechanical fixings for Rigid Polyisocyanurate (PIR) and Polyurethane (PUR) roofboards beneath single-ply waterproofing membranes'

Whilst any advice given by Insulation Manufacturers Association is given in good faith, all liability therefore so far permitted by law is specifically excluded and the recipient must satisfy themselves as to its efficacy and suitability