

# Use of adhesives for securing rigid polyisocyanurate (PIR) roofboards beneath roof waterproofing systems



IMA ID/1/2010

Version 3

Amended and approved: September 2022

## Information document

### Introduction

Those decks where Rigid Polyisocyanurate (PIR) roofboards are secured using adhesives can appear to be adequately fixed during installation. However, where the guidelines of the adhesive manufacturer are not followed, problems with strength of bond can appear at a later date, allowing boards to move under the roof waterproofing system 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) to an air and vapour control layer (AVCL).

### Guidelines

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

- 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 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) roofboards beneath roof waterproofing systems'.

For more details on the benefits of PIR insulation please visit: [insulationmanufacturers.org.uk](http://insulationmanufacturers.org.uk)



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