

INFORMATION DOCUMENT

BRUFMA ID/1/2010

**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 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 BRUFMA 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 BRUFMA 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