METHODOLOGY

Typical Flat Boarded Roof Waterproofing Detail

SURFACE PREPARATION
Surface areas should be dry, clean and sound, free of voids, sharp protrusions or contaminants. The surface shall have a light steel trowelled or fine wood float finish.

SUBSTRATE AND FALLS
Roofing boards to be laid to faces 1:60 as per engineers specification. The moisture content is not to exceed 7% prior to torch-on application.
Special care must be given to all expansion/construction joints, refer to your a.b.e.® Technical Representative concerned for specific details.

PRIMING
1. New Concrete
Prime all surfaces with bitu.*prime, including all verges, and around outlets and protrusions and allow the solvent to flash off. Extremely porous surfaces should be re-primed.
2. Rejuvenation
Strip existing waterproofing before priming all surfaces with bitu.*prime, including all verges, around outlets and protrusions and allow the solvent to flash off. Some existing waterproofing materials may be overlaid only in consultation with the a.b.e.® Technical Representative concerned.

SPECIFICATION
- a.b.e. unigum 4mm/MS
- OR
- Index Fidia P 4 mm/MS, South African Agreement

Certified (Certificate No. 97/261)
Apply a coat of bitu.*prime onto the plastered vertical substrate.

Full bore outlet’s, pipe up stands to have a square meter of a.b.e. unigum 4mm/Index Fidia P 4mm bonded to the surface including their gussets. All internal and external corners to have a gusset fitted, 100mm x 100mm, using a.b.e. unigum/Index Fidia P 4mm prior to the commencement of the waterproofing application.
Apply 5 ply malthoid to the boarded roof sheets (boarded roof to falls) by mechanically fastening using 40mm diameter washers at 300mm centres.
Apply a single a single layer a.b.e. unigum or a.b.e. unigum MS 4,5 kg/sqm ensuring full bond to the 5 ply malthoid by means of ‘torch fusion’ using propane gas, having side and end laps of 100mm and 150mm respectively.
Apply a.b.e. unigum 4mm or a.b.e. unigum MS 4.5kgs/sqm counter flashing fully bonded to surface.
Apply super laycryl or super laykold and a.b.e. membrane counter flashing onto the plastered vertical substrate.

FLASING
Counter flashing surfaces are to be treated with 2 coats of super laycryl or super laykold incorporating a.b.e. membrane, details as recommended in our data sheet. Ensure the lap over the torched membrane is at least 150mm.

DRAINAGE OUTLETS
Specific attention must be given to the detail work when waterproofing the outlets to prevent ingress of moisture.
GENERAL

Index waterproofing membranes shall only be warranted when installed by a.b.e.* Construction Chemicals accredited contractors.

Care must always be taken when working with open flames, potential fire hazard, and molten bitumen from the process, employ safety equipment and clothing where necessary.

All products are to be applied in accordance with the manufactures instructions.

All relevant data sheets are to be carefully read for additional information.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst a.b.e.* Construction Chemicals endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because a.b.e.* has no direct or continuous control over where and how a.b.e.* products are applied - accept any liability directly or indirectly arising from the use of a.b.e.* products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. a.b.e.* Construction Chemicals has a wealth of technical and practical experience built up over the years in the company’s pursuit of excellence in building and construction technology.

DPC

brixeal coated on inner face

5 ply malthoid mechanically fastened to boarded roof using 40 mm dia. washers at 300 mm intervals

super laycryl or super laykold + membrane counter flashing

Plaster primed with butu.*prime

a.b.e® unigum or unigum M5

4,5 kg counter flashing fully bonded to the surface

Gusset 100 x 100 mm Index Fidia P 4 mm fully bonded to the surface

abe® unigum 4 mm or unigum MS 4,5 kg fully bonded to the 5 ply malthoid

Boarded Roof to Falls

Note: All exposed plain surfaces are to be treated with 2 coats of abe silvakote for protection against UV rays