



a.b.e.[®] Construction Chemicals

METHODOLOGY

Typical Plant Room 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

Screeds are to be sand cement laid to minimum falls of 1 in 60, strength and thickness as per engineer's specification. The moisture content is not to exceed 7% prior to torch-on application.

Should light weight screeds be employed an additional sand cement screed is to be placed on top of the light weight screed, the strength and thickness as per the engineers specification. Under no circumstances must the torch-on material be applied directly onto the light weight screeds.

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

- **abe[®] unigum 4mm**

Full bore outlet's, pipe up stands to have a square meter of **abe[®] unigum 4mm** bonded to the surface including their gussets. All internal and external corners to have a gusset fitted, 100mm x 100mm, using **abe[®] unigum 4mm** prior to the commencement of the waterproofing application.

Apply a layer of **abe[®] unigum 3mm & 4mm** to the floor substrate ensuring the layers are fully bonded to the **bitu.[®]prime** primed surface by means of 'torch fusion' using propane gas, having side and end laps of 100mm and 150mm respectively.

Apply a coat of **dura.[®]flex** incorporating **ecofelt membrane** extending at least 100mm horizontally and vertically in the corner joints.

Screed the floor substrate to falls using a sand cement mixture with a minimum thickness of 40mm

Extend the **dura.[®]flex** waterproofing up the wall at least 150mm above the drain outlet bonded onto the brick wall.

Apply a plaster mix modified with **dura.[®]latex** to the vertical substrates.

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.

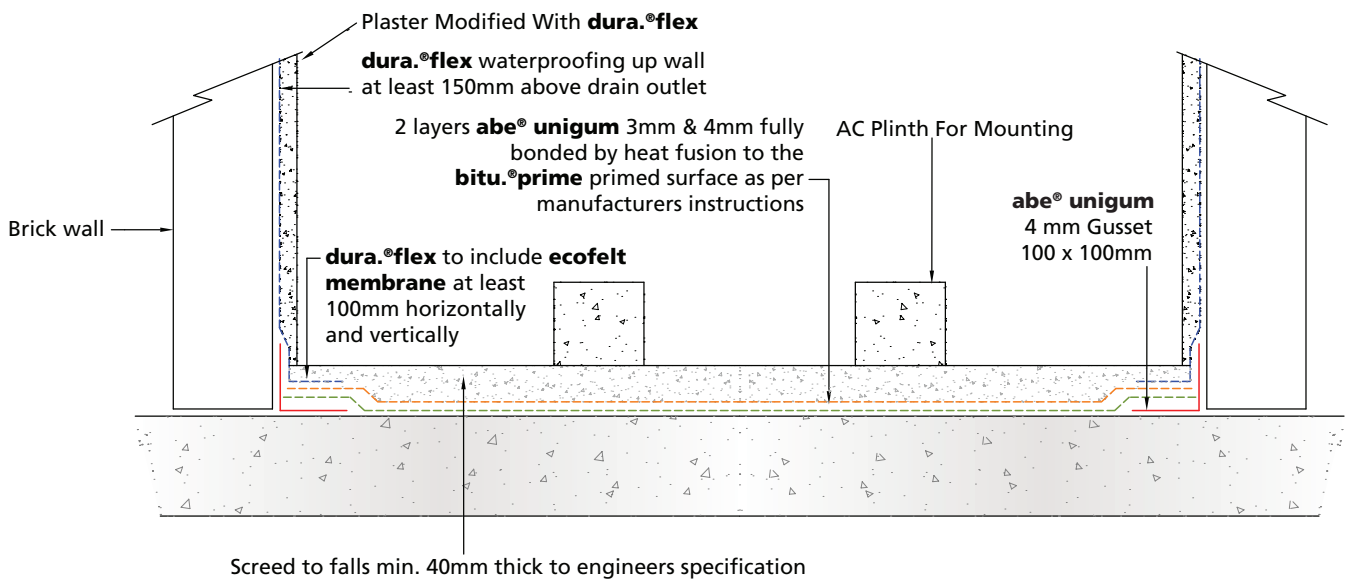
All relevant data sheets are to be carefully read for additional information.

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.



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