

ULTRASEAL SYSTEM BUILD-UP



WATERPROOFING PLANTER BOX

SUBSTRATE CONDITIONS & PREPARATION

SUBSTRATE

It is recommended that concrete surfaces cure for a minimum of 28 days, to allow for sufficient moisture dissipation before preparation and application commences.

All concrete surfaces should be visually inspected to identify any detrimental defects that may require remedial action. Defects may include physical damage, exposed aggregates, cracks, spalling, honeycombs and contamination.

SAND/CEMENT SCREEDS

Although the specified waterproofing system is unaffected by ponding water, it is recommended to have a minimum screed to fall of 1:200, applicable for monolithic waterproofing systems. Screeds must be free of contaminants, protrusions, voids and must be sufficiently cured.

SUBSTRATE PREPARATION

Laitance on new concrete surfaces need to be mechanically removed to ensure adhesion of the waterproofing system. Steel floated surfaces will require a first stage grind to create an anchor profile for sufficient adhesion of the waterproofing system.

WALL TO FLOOR JOINTS

All 90° corners must receive a 45° sand/cement or a high density polyurethane foam fillet. External corners should be rounded to avoid applications on sharp edges.

Estimate price/M²: R

PRODUCT SELECTION & APPLICATION

WATERPROOFING PLANTER BOX)

The application of the **Nucote MT** primer system, to the prepared substrate, should be done by Squeegee, brush or roller at 200 – 250µm.

WATERPROOFING APPLICATION

Apply 2 – 3 coats of **Ultraseal Brush**, two component, 100% Volume solids Polyurethane system, to achieve a final thickness of minimum 2 – 3 mm. Install the necessary drainage layer followed by >150mm soil.

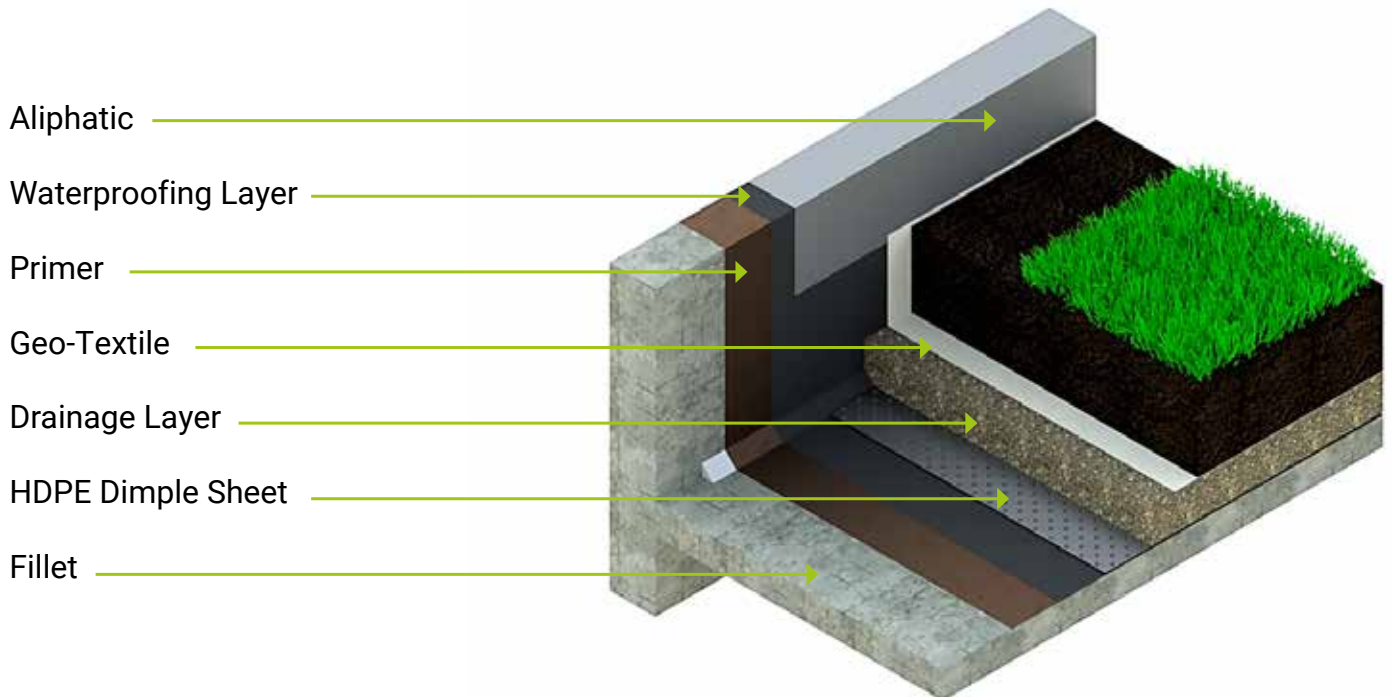
TERMINATION

Planter walls must be waterproofed up and over and terminated on the outer edge of the horizontal section of the wall. Termination on the vertical sections inside the planter is not advised.

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DRAINAGE & OUTLETS

An 8 mm HDPE dimple sheet must be installed directly on top of the waterproofing. The dimple sheet is loose laid with the dimples facing down. Head and side laps must be 3 dimples.

A 50 – 100 mm stone drainage layer is recommended prior to soil filling, however this is not a necessity.

Geo-textile membrane between the drainage layer and soil to eliminate outlet blockages.

Manufactured by NUI – Member of the RIGIFoam Group

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