

ULTRASEAL SYSTEM BUILD-UP



RETAINING STRUCTURE WATERPROOFING

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

RETAINING STRUCTURE WATERPROOFING

Application of **Nucote MT** primer system to the prepared substrate to be undertaken by brush or roller at 200-250µm.

Apply two coats of **Ultraseal** Spray 2 component, 100% Volume solids Polyurethane system, using a suitable 2 component gear pump machine to achieve a final thickness of minimum 4mm.

Install the necessary drainage layer followed by river sand prior to backfilling with general soil as per the engineer's specification.

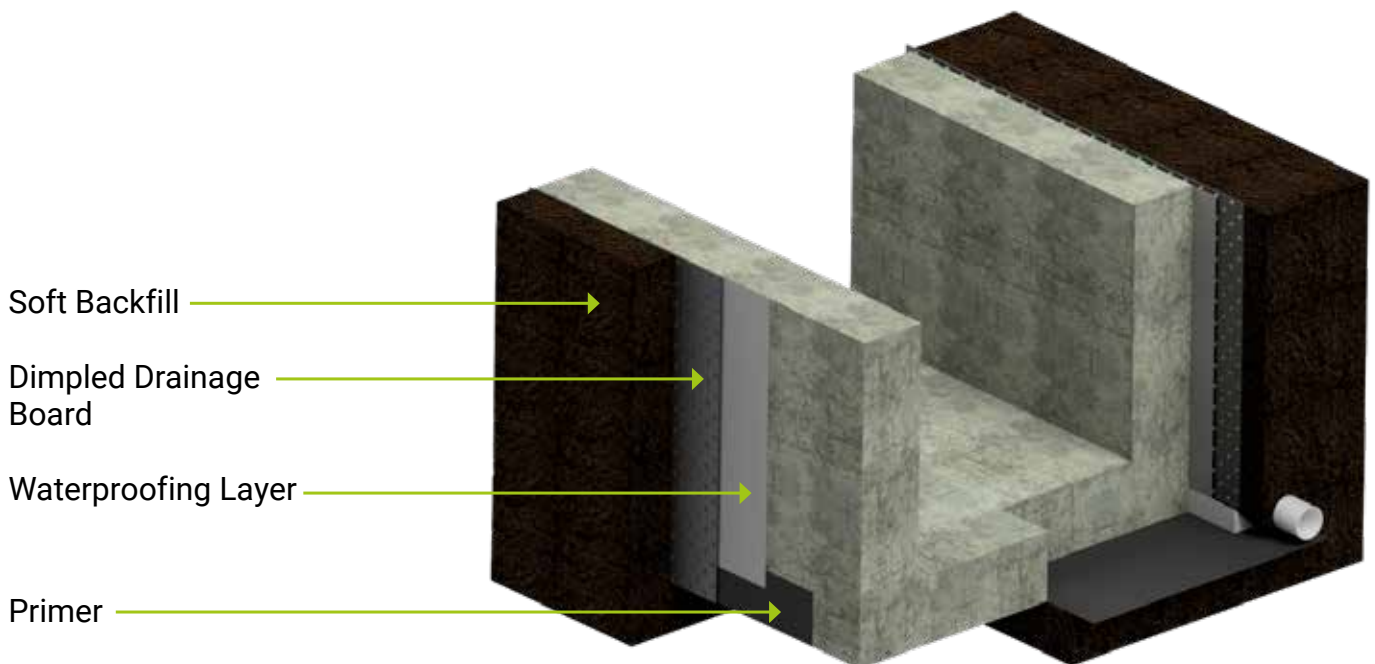
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**ULTRA
SEAL**
THE WATERPROOFING CHOICE

RETAINING STRUCTURE WATERPROOFING

DETAIL

- All tanking waterproofing material must be protected with either brick skin, hardboard or a composite drainage board system before backfilling.
- Termination 150 mm above ground level dressed 40mm into wall.
- All 90° corners must receive a 45° sand/cement or a high density polyurethane foam fillet.
- Tanking: Vertical waterproofing must be dressed over the turn-up of the under concrete slab waterproofing. Sound and firm soil for blinding layer is essential.



Manufactured by NUI – Member of the RIGIFoam Group

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