ULTRASEAL SYSTEM BUILD-UP

FLAT ROOF WATERPROOFING
WATERPROOFING TO SCREED (EXPOSED)

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

SPRAY APPLIED WATERPROOFING
Apply a single coat 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 1.5 – 2 mm.

SQUEEGEE APPLIED WATERPROOFING
Note: For this system, 1.2 – 1.5 mm silica sand must be broadcasted into the primer whilst wet.

Ultraseal Polyurethane is a squeegee applied system. The system should be well mixed with an electric mixer until a smooth homogeneous consistency. Once mixed, the system is poured out on the primed surface and squeegeed.

Cover with specified PIR insulation followed by >50 mm stone ballast.

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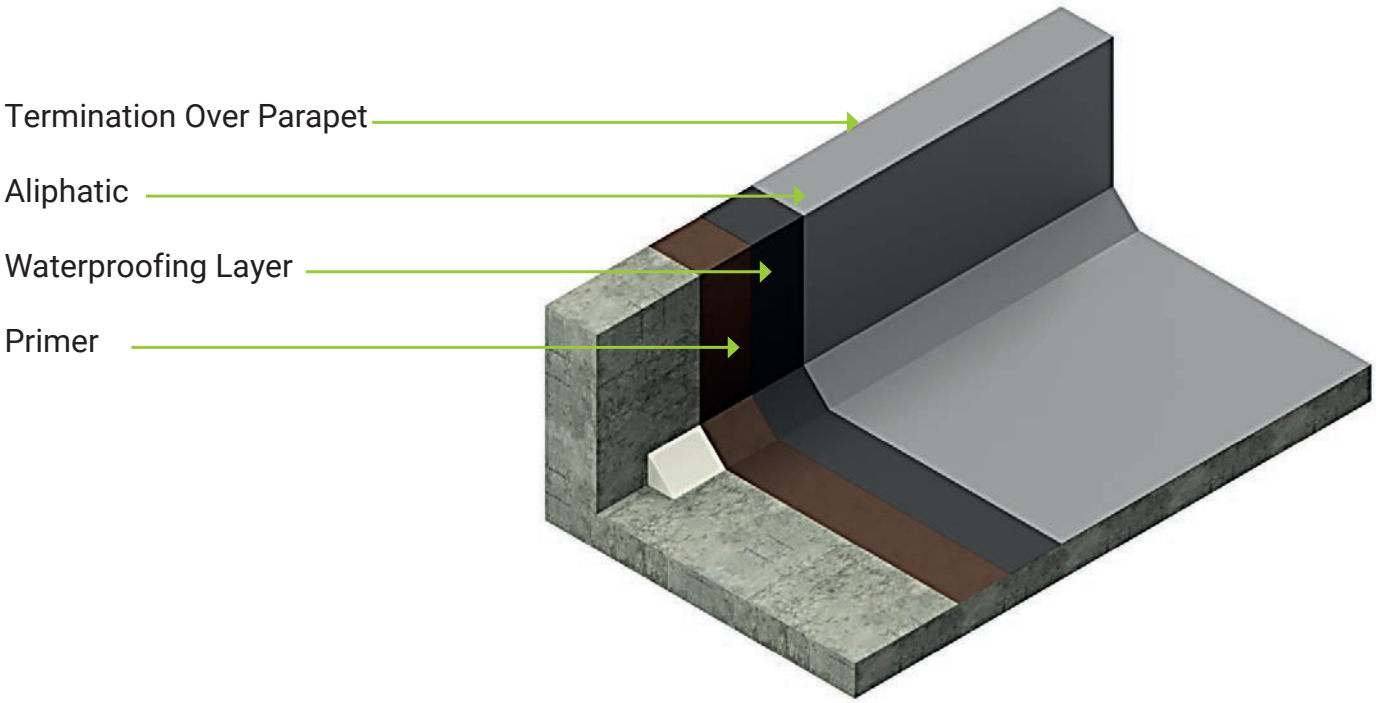
WATERPROOFING TO SCREED (EXPOSED)

UV STABLE TOP COAT

Apply a single coat of **Nucote UVC**, two component vinyl reinforced urethane aliphatic system, using a brush, roller or airless spray at 50 – 100µm.



Manufactured by NUI – Member of the RIGIFoam Group

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