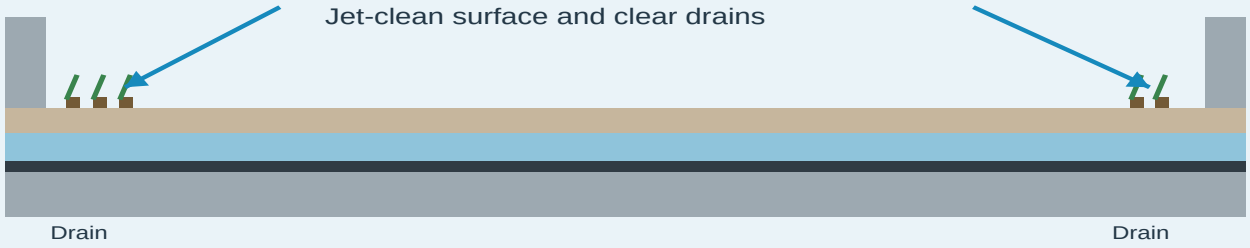
Concrete rooftop repair

TECHNICAL ILLUSTRATED GUIDE | VROOF®

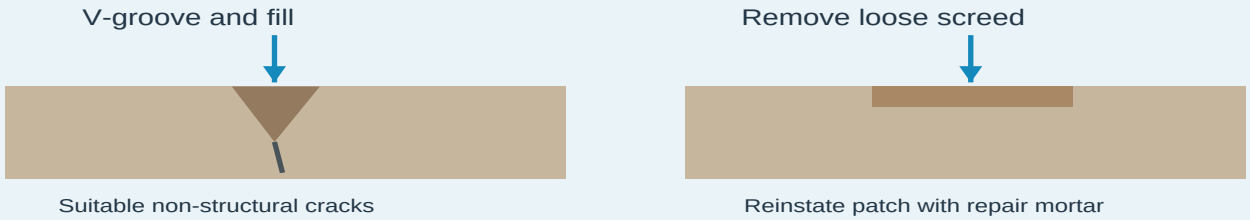
A visual guide to exposed screed rooftop refurbishment. Complete all mandatory preparation stages before selecting either waterproofing system.

01 Clean the surface and drainage



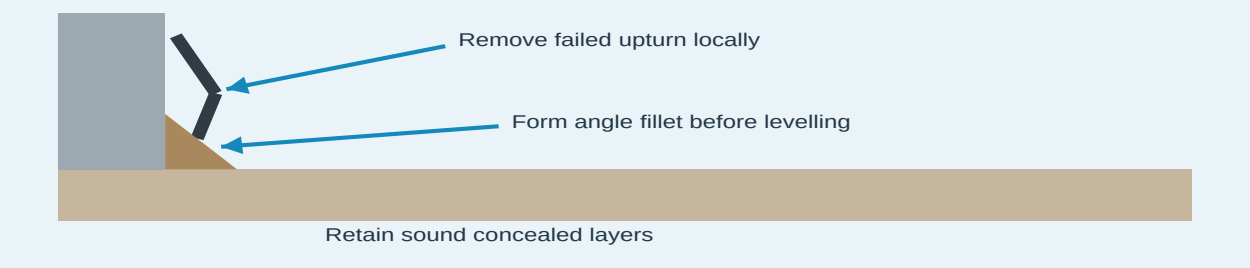
Jet-clean the exposed screed. Remove vegetation and debris from perimeter drains and accessible outlets so rainwater can escape.

02 Treat cracks and unstable screed



V-groove suitable non-structural cracks and repair. Remove loose or hollow screed locally, then reinstate with suitable repair material.

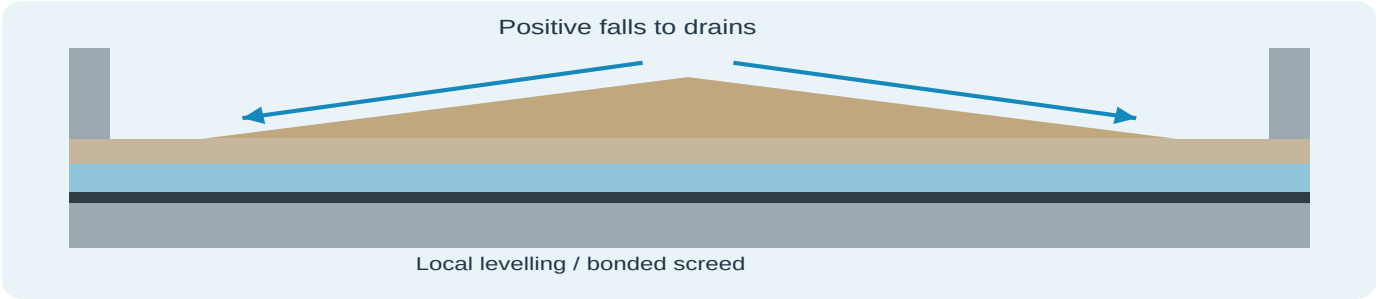
03 Repair perimeter junctions



Remove failed existing membrane only at affected angle fillet areas. Form a suitable fillet at the wall-to-floor junction before levelling.

Improve drainage first

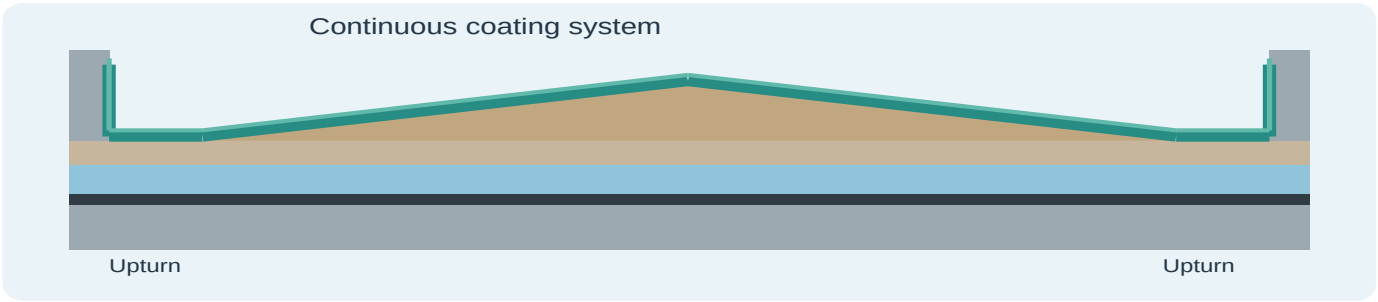
04 Correct local ponding and surface falls



Use suitable cement-based levelling or screed to improve local falls towards existing drains. Confirm thickness, outlet levels and loading before work. The aim is drainage, not simply a flat surface.

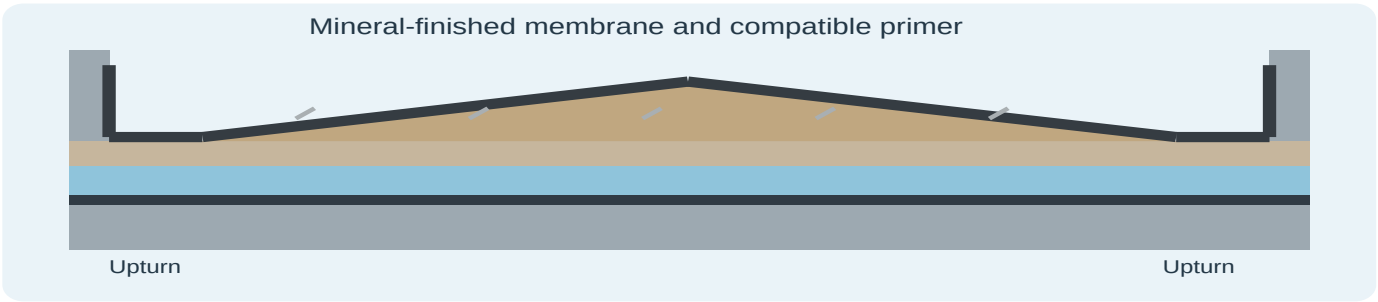
05 Select one waterproofing system

A Cementitious waterproofing with a compatible protective coating



Apply cementitious waterproofing followed by compatible protective coating. Detail upturns, junctions and outlets. Future cleaning and recoating may be possible if the surface remains sound.

B Mineral-finished torch-on waterproofing membrane with a compatible primer



Apply compatible bituminous primer and mineral-finished membrane, with suitable overlaps and termination details. Assess fire safety and concealed materials before torch work.

After completion: monitor internal leakage areas before deciding on optional PU injection.

Conceptual illustrations only, not to scale or construction drawings. Existing layers are illustrative; verify actual build-up, specifications and site conditions.