

Waterproofing REDIWALL Construction System Spec 23.31A

Products Required:

- Maxsealflex - Maxmesh
- Maxjoint Elastic
- Maxplug

Floor/wall joint:

GUIDE TRACK on concrete floor:

Even surface:

Wet surface and apply Maxseal flex at the rate of 1mm thickness to the area covered by the Guide Track extending by 50mm past the area covered by the Track on to floor. Place Guide Track and secure as specified.

Uneven surface:

Wet surface and apply Maxjoint Elastic to external edges of area covered by Guide Track at a thickness of no less than 6 mm x minimum width of 15 mm. Place Guide Track and secure.

DIRECT POUR on Concrete Floor:

Wet floor and apply Maxseal flex at the rate of 1mm thick to the area, extending by 50mm past the area covered by the pour.

After placing wall sections and filling with concrete:

Scuff the Rediwall for a min of 100mm from the floor using a 16 grit abrasive disc. Wet wall floor area at base, apply Maxseal flex at the rate of 1 Kg/m² thick to an area from 100mm above floor/wall joint to 100 mm on the floor, total 200mm. Embed Maxmesh (200mm x 50 mtr roll), allow to cure overnight, wet area and apply second coat at rate of 1 Kg/m² covering the mesh.

Active water flow at floor/wall joint: -

use Maxplug to stop waterflow, proceed as per wall/floor joint process above.

Return Wall Guide Track:

Wet surface and apply Maxseal flex at 1mm thickness approx. to **Guide Track**, fasten to wall as normal. Remove all excess using wet sponge. Total adhesion and waterproofing.

Vertical wall joints:

If required, seal all vertical joints. Mask if required, wet surface, apply Maxseal flex at the rate 1mm thickness over the joint area (min. 50mm, across joint), embed 50mm Maxmesh, allow to cure overnight. Wet surface, apply second coat at the rate of 1mm thickness

If the **structure is used for liquid containment or below ground retention**, seal all vertical joints, and ensure that total floor area (of water tank) is coated using Maxseal flex at the rate of 1 kg/m² allow to cure overnight, wet area and apply second coat Maxseal flex at the rate of 1 kg/m².

WALL PENETRATIONS:

Panels:

WINDOWS: Seal opening all round using Maxseal flex (1.5 Kg/m²) plus 50mm around external and internal wall area. Immediately place capping. Apply Maxseal flex over capping/wall joints and place 50mm Maxmesh, allow to cure overnight, apply second coat Maxseal flex.

Pipes:

Cast In - Coat all surfaces of the puddle flange using Maxseal flex and any pipe sections Attached. Coat a minimum of 50mm past wall pipe interface. This will allow sealing of Rediwall section to pipe. For below grade installation, embed Maxmesh into first coat, allow to cure overnight, apply second coat of Maxseal flex.

If additional wall flanges are used, coat Maxseal flex between flange, and Rediwall, push flange firmly to wall.

Cored - Apply Maxseal flex to internal surface of core, 50mm (min) from edge and 50mm (min) around core onto Rediwall.

Centre pipe using spacers, core should be 5mm (min) and 20mm (max) larger than pipe.

Void around pipe can be filled Maxjoint Elastic.

Create a rebate (foam backing rod) of not less than 5mm for spaces up to 10mm in width, any rebate over 10mm wide, should have a depth of not less than half the width.

Wet surface, fill using Maxjoint Elastic. Allow to cure (min. 3 days) overcoat using Maxseal flex, extend to minimum of 50mm on wall and pipe.

If additional wall flanges are used, coat Maxseal flex between flange, and Rediwall, push flange firmly to wall.

GENERAL:

Areas coated with Maxseal flex, must be scuffed. (16 grit scuffing disk).

Total Yield for 35 Kg Kit of Maxseal flex is 20m² two coats completed.

Allow Maxseal flex to cure for 14 days (min) prior to filling with water.

