

Waterproofing Rainwater Tanks

Flexible Sealer Liquid Flash 1



Crystal Sealer



Reinforced Render



Epecrete



Substrates

Concrete, block,
galvanised iron tanks,
cement render

Materials

Flexible Sealer (premixed waterproofing membrane), **Liquid Flash 1** (reinforced waterproofing membrane). **Crystal Sealer** (cement-based dampproofing compound that waterproofs by crystal formation), **Reinforced Render** (glass fibre, reinforced cement), **Acrybond** (acrylic bonding additive), **Epecrete** (epoxy dampproofing compound), **Primax** (a two-component, water-resistant bonding primer).

Surface Preparation

All surfaces must be clean, structurally sound and free of grease, dust, coatings and other contaminants.

Workmanship

Apply products in accordance with the manufacturer's written instructions and good trade practice.

Application

Concrete rainwater tanks

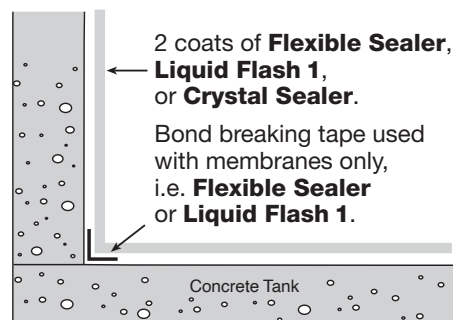
Flexible Sealer and **Liquid Flash 1** are water-based, flexible, waterproofing membranes. Prime substrate with **Primax**. Apply two coats of membrane to achieve a 1mm dry film thickness and allow to cure before putting into use.

Crystal Sealer is a cement-based, dampproofing compound that forms crystals in cement-based substrates permanently waterproofing the surface.

Reinforced Render is a glass fibre, reinforced cement, dampproofing compound.

Epecrete is a water-based, three-pack, epoxy dampproofing compound.

Enclosed concrete rainwater tanks



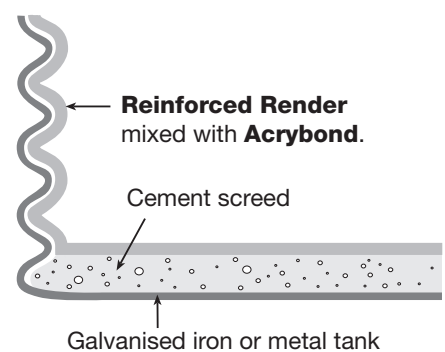
Galvanised iron rainwater tanks

Reinforced Render mixed with **Acrybond** is recommended as a liner on the inside of galvanised iron tanks because it will plug pin holes and protect the iron from further corrosion. Curing time: 2-3 days at 20°C.

Screed if required

Should a base screed be required use a 1 : 3 cement : sand mortar mixed with 1 : 3 **Acrybond**; water mixture.

Galvanised iron rainwater tanks



Estimating chart for tank repair

Gallons/litres	Floor m ²	Wall m ²	Total m ²
1000/4657	2.54	10.35	12.89
2000/9127	4.99	14.49	19.48
3000/13370	7.31	17.53	24.84
5000/22539	12.32	22.77	35.09
10,000/43320	23.67	31.56	55.23
15,000/67638	36.96	39.44	76.40
20,000/86773	47.42	44.67	92.09
30,000/141152	77.13	56.97	134.10

Precautions

Waterproofing membranes must not be used on surfaces subject to hydrostatic pressure. In these circumstances use a dampproofing compound, i.e. **Crystal Sealer**, **Reinforced Render** or **Epecrete**.