
Fast application rapid cure repair and waterproofing system for manholes and sewers

The Ronacrete Sewer and Manhole Renovation System is used to line the inner surfaces of existing brick and concrete sewer and manhole chamber constructions to prevent rain and surge water seeping or flooding into the water system and overloading volume beyond its designed capacity. In turn this will prevent disruption to sewage treatment systems and overspill of contaminating sewage and effluent.

The products within the system are designed to accommodate ease of use, speed of application and curing/drying, simplicity of mixing and avoidance of harmful chemicals and toxic fumes during their application.

Features

- Waterproofing slurry system for manhole chambers
- Apply to concrete, brick, blockwork
- Rapid set mortars allow rapid application of next layer
- Waterproof slurry can be overcoated after 1-2 hours
- Waterproofing slurry is effective after 24 hours
- Quick, safe, easy

The system comprises a mortar for filling and repairing mortar joints and for forming fillets a coating for waterproofing internal surfaces

Products

Monoset RX

A prebagged rapid set trowel applied mortar for filling and repairing joints and for forming fillets.

Monoset Primer

Rapid strength gain bonding primer for Monoset RX.

Monoprufe

Prebagged cold applied brush on slurry for waterproof, flexible quick dry coating on to Monoset RX, concrete, brickwork.

Application Procedure

1. mechanically prepare surfaces to remove loose brick, concrete, pointing mortar, other loose material.
2. wash thoroughly with clean potable quality water to remove sludge, effluent, mould or plant growth.
3. leave surface damp.
4. where required, mix Monoset Primer, brush apply to damp surface and whilst wet or tacky mix Monoset RX and apply by trowel to fill mortar joint to leave flush with surface. Minimum width/depth of mortar is 6mm.
5. where required repeat this process to make good

damaged areas, where for example bricks have crumbled or spalled, concrete is damaged. Build up in layers if necessary, keying and priming successive layers to ensure intercoat adhesion

6. when Monoset RX used for repair / pointing has gained sufficient strength, typically after 1 hour at 20°C. proceed to apply Monoprufe waterproofing slurry as follows
7. mix Monoprufe liquid and powder to form a brushable consistency slurry and brush apply in one coat to form a continuous pinhole free film.
8. allow to dry for 1 to 24 hours, typically 1-2 hours at 20°C
9. apply second coat at a right angle to the first coat, to achieve a continuous pinhole free film
10. allow to dry for 1 to 24 hours, typically 1-2 hours at 20°C at which time it will resist water
11. should local damage occur through more substrate movement than the coating can accommodate, clean down, cut back the remaining Monoprufe to a sound surface and edge, form a straight edge and reapply two coats as described above, overlapping the existing contact by 50mm

Further documentation

Refer to the technical data sheets for Monoset and Monoprufe.