

Our **ACCESS CHAMBER REHABILITATION SYSTEM** uses a proven Epoxy Resin system applied using our innovative self contained application equipment to seal and protect the chamber with a life extending tough layer of Polymer.

We also offer our innovative coatings & application systems for sale to qualified contractors, with full training and backup provided.

THE COATING

We offer the latest Epoxy Resin coating system **RESILINE 330** which is proven to have excellent chemical resistance combined with long term strength. Designed to cope with the demanding environments found inside access chambers.

THE EQUIPMENT

We use our own innovative in house designed and built equipment based around a **GRACO** pumping system. Our equipment is all electric and ultra mobile allowing us to arrive on site with minimal fuss, carrying out the work quietly and efficiently

THE APPLICATION PROCESS

1. The manhole is cleaned (low pressure jetting) and any remedial work is carried out
2. The manhole is dried (naturally or forced)
3. The coating is applied between 3mm & 8mm thick depending on requirements



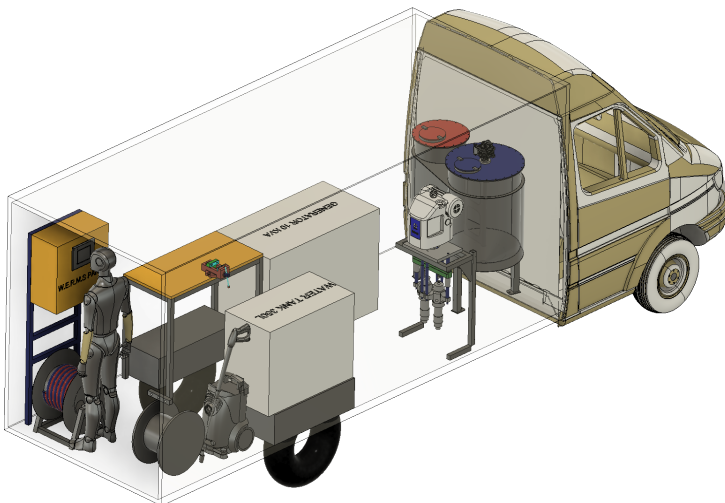
THE COATING MATERIAL

Designed to withstand the tough environment found inside access chambers, our 2 part hybrid epoxy coatings are proven and fit for purpose. Designed specifically for purpose, they can be relied upon to deliver outstanding long term performance. Designed by trusted manufacturers with many years of experience in this field with a minimum 50 years design life

THE EQUIPMENT

Our own innovative in-house designed and built equipment which is self contained with all the items that are required to carry out the work. Specially designed for purpose, being uniquely all electric, the equipment offers many benefits over conventional air powered systems

- No Compressor required
- On board generator supplies all power requirements for the unit
- Ultra Quiet system
- Improved Reliability using electric GRACO pumps
- Logistically easier with less items required on site
- Heated Coating Tanks (300L capacity)
- Battery backup for the heating system without the need to have the generator running
- On board high pressure Jetting c/w 300L water storage
- Our on board W.E.R.M.S monitoring system checks and logs the coating ratio and pump performance throughout the whole process supplying a detailed printout at the end of each application giving you an excellent Q.A record for each project
- The equipment fits neatly inside a standard van type vehicle



THE APPLICATION PROCESS

1. A pre mobilisation site visit / report is usually carried out to determine the exact requirements of the project and to calculate the ideal coating thickness
2. The chamber is cleaned & prepared using our proven methods
3. If required, remedial work is carried out prior to the coating application, remedial work can include the filling of any voids and stopping water ingress
4. An acceptable prepared surface will be free of contaminants, loosely adhering mortar, bricks or dust, and will provide a sound dry uniform substrate suitable for the application of the coating
5. If water ingress is found, Injection grouting or a fast setting mortar will be used to stop individual leaks
6. Coating is carried out by trained personnel either by hand spraying or using our vertical automated process. Our vertical automated process, allows for most of the cleaning & coating operation to be carried out & controlled from above ground which greatly reduces the need to enter the access chamber
7. A detailed printout is supplied to the customer for each application carried out.
8. The printout captures data relating to the coating ratio / amount of coating used / coating temperature and batch numbers c/w GPS coordinates to show the location of the project.



WATER INGRESS & LOCALISED REPAIRS

If water ingress is found, we use a proven system to stop the ingress prior to application. The ingress sealing system is carried on our vehicle at all times ensuring we can react quickly to ingress problems

Using a pneumatic grout injection system, we can usually stop in ingress quickly and efficiently

Holes are drilled in strategic areas and a special water reactive polymer is injected into the cavity, the polymer expands & cures on contact with water thereby stopping ingress, multiple drilled holes may be required to completely stop the ingress

We utilise a fast setting cement based material for localised repairs and ingress issues, this material is supplied by the epoxy manufacture which ensures long term compatibility for all materials used





For circular chambers, we can use a remote application system whereby the application is carried out without the need to enter the chamber using our centrifugal spray application heads (same as we use for lining pipelines)





Contact us now to discover more about our systems and what we can offer you to protect your assets. To complement our access chamber rehabilitation we also offer Sewer pipe protection using our SIPP rigs designed and built by the global leader.

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