Project Briefing

The project involved in-filling a trench with KM Readigrout to form a hydrocarbon barrier between a garden and a disused petrol station. One of the underground fuel tanks ruptured which caused petroleum to leak out through the soil.

The Contractor; Ground Construction Limited had to dig out and remove all the contaminated soil, then inserting sheet piles in to the ground, dug a trench until they had reached the clay layer, 300mm of clay was removed. The depth of the trench varied from 3 + metres to half a meter deep (depending where the clay was exposed).

Over a period of 3 days 100 m³ was pumped and placed in the void.

The Equipment Used

For this project we used our bespoke 6 m³ pan mixer with pumps and special mixers to ensure that the Bentonite is properly mixed. Due to the confined space we had to manufacture the material using 25 kg bags.

Below is a picture of the equipment, Readigrout was supplied in 1 ton pallets (40 x 25 kg bags) which were then broken open and feed in to the mixer and processed. Once completed the material was pumped out via 50 mm pipelines to the pouring area.
Pictures of the Equipment Used.

Figure 1 - 1 Tonne Pallet Readigrout and our bespoke Mixing Unit

Figure 2 - Operatives processing the mixer
Foam Concrete Ltd

We have expertise and plenty of experience working in challenging environments, where our competitors would struggle to pump the volume, mix design or distances. Please contact Lynton Cox, who will be able to advise you on the best approach for your next project, references are available on request for this or any project that we have featured on our web site.