



Removing re-inforced concrete from a roof – when no other alternative will do!

When the air conditioning unit finally broke down it was time to look at alternative ways of providing the air conditioning. The existing roof based unit was too expensive and it was decided to use the roof as a garden and remove all the old concrete.

A number of alternatives were considered for removing the 30cm * 100cm * 100cm steel re-inforced concrete slab that had been the plinth for the air conditioning unit. But there were considerable downsides with all of them, either too much water on the roof or vibrations and risks of damaging the main structure of the roof itself. Sylentmite – a safe, non explosive mortar designed to break out concrete and rocks was used with extremely satisfying results.

The CRS solution – Sylentmite, was chosen because of the safety factors, ease of use – only using gloves, goggles, a hand held drill and 38mm drill bit; the speed of use (the client wanted to get rid of the unsightly mass and create a landscaped viewing platform); a need to ensure the roof itself wasn't damaged; simplicity (drilling holes); the incredibly tight positioning of the foundation and not wanting to break any of the wall or its foundations. Lastly, large equipment could have caused damage to the roof and would not have been easily placed. The result was a simple approach, safe to use and damage-free solution.



A simple to use Methodology statement was produced with a drill pattern of holes every 20cm to a depth of 80%, they were drilled, Sylentmite was mixed and packed into the holes and left to do its work overnight.

- Safe, environmentally friendly and gentle
- Non explosive, non toxic, non flammable
- No noise, vibrations, flying rocks or toxic vapours
- No special training, equipment or licenses
- No special storage

- Fast, clean, efficient, and cost effective



The remains, after Sylentmite had completed its work were managed by hand and safely disposed in the skip. The skip was considered same material so the cheaper price was paid. No damage was made to the roof. **'Drill it, Fill it, Crack it!'**