



WET SHOTCRETE APPLICATION

The pump is checked prior to start up (together with the dosing pump) and in this regard, the cleaning at the end of the previous shift is imperative. This reduces maintenance and downtime costs to a minimum. It is estimated that + 95% of the maintenance of the unit (pump and mixer) is attributable to cleaning only.

The area to be shotcreted is washed down with water to clear dust build up etc which would prevent good bonding of the shotcrete to the surface.

A cement slurry is then pumped through the delivery hoses as a lubrication agent prior to the shotcrete mix. Failure to do this results in hose blockages.

The shotcrete is sprayed onto the required area using a circular motion of the nozzle with the required thickness being checked by the nozzleman's assistant to ensure optimum thickness.

Sufficient lighting is required in the spraying area as well as the mixing area to give the crew the opportunity to perform their duties according to the required specifications.

The accelerator dosing pump is preset at a maximum level; to prevent over-dosing however there is also the ability to vary the dosage depending on side wall or hanging wall spraying.

Test cubes are taken from the mix on a daily basis whilst panels are sprayed on a weekly basis for testing.