Method of Works

Doff / Thermatech Cleaning System

ThermaTech is a brand-new range of superheated water cleaning equipment. Conceived for the requirements of building conservation, restoration and refurbishment, this system is highly effective for removing surface soiling, grease, oil and organic matter from a wide range of substrates.

The ThermaTech system produces superheated water, a liquid spray at 150°C. This temperature is capable of melting and removing many paints, surface treatments, chewing gum, wax and bitumen.

ThermaTech reduces reliance on chemicals, and boosts the performance of milder agents. It also uses less water than conventional hot and cold-water pressure washers. In this way it yields positive results for COSHH and REACH in safety and environmental risk assessment.

JOS Cleaning

This system uses selected abrasive, carried by a flow of compressed air to a nozzle at which water is added. The air, abrasive and water combine in a vortex and exit the nozzle through a tapered ceramic sleeve.

The aperture size and 'spread' of the sleeve can be changed, one sleeve for another, to direct the mixture toward the substrate in an appropriate concentration.
The air pressure, the amount of abrasive in the air and the volume of water are all adjustable by the controls provided.

The system is generally appropriate for the removal of brittle soiling's and coatings such as carbon sulphation*, lime encrustation and lime-wash.

This system is used regularly by Stone Central for conservation projects where the initial doff clean is not sufficient. For the Science & Industry project the doff clean will be completed initially to all areas. Only then will the Jos cleaning method be introduced to clean any of the worst areas which could not be cleaned using the doff method. It is envisaged that this will only be undertaken in a small areas which are to be reviewed once the doff clean is completed. Before undertaking the JOS clean a small sample area will be completed as part of this review.