

ULTRA HIGH-PRESSURE WATER BLASTING / HYDRO DEMOLITION

Keeping infrastructure assets at
optimal structural condition and capacity



● ACCESS ●

We have a team of highly trained experts accustomed to working safely in the most challenging environments, and have developed numerous technologies and techniques to do so efficiently.



● INSPECT ●

We know how to access infrastructure underground, at height and in confined spaces. As well as our technicians, we also use highly specialised drones and all-terrain pipeline robots for remote video and 3D mapping.



● REPAIR ●

We offer a full range of repair and remediation services to ensure the longevity of your infrastructure. This document looks at our concrete remediation activities.



ULTRA HIGH-PRESSURE WATER BLASTING (HYDRO BLASTING)

Metrocorp uses Ultra High-Pressure Water Blasting (UHP Water Blasting) for industrial cleaning and surface preparation.

The method employs water jetting at ultra-high pressures to remove surface contaminants, crystallised salts, grime, stains, and other residues that build up on various surfaces. The force generated by the pressurised water jets is powerful enough to break the bond between the dirt and the surface.

In the hands of an experienced operator, this simple yet powerful technique allows us to prepare even the most contaminated or deteriorate surfaces.

It's a fast, efficient technique as the accumulated debris is flushed away in water as it is removed. And unlike abrasive media blasting, UHP water blasting doesn't cause residual solids to accumulate, making it a cleaner and safer alternative for both the environment and the workplace.

Metrocorp has a range of specialist high pressure equipment ready to prepare your surfaces for remediation.

METROCORP UHP WATER BLASTING SERVICES

The projects we recommend blasting for range from simple washdowns to hydro demolition. The most common substrates we remove include:

- Old paint and coatings
- Rust
- Chemicals
- Rubber
- Heavy build-up and grime
- Concrete

FULL RANGE OF SPECIALISED EQUIPMENT:

Our water blasting operations are carried out by hand lance or remote operated units, depending on the access challenges. UHP systems use pumps and nozzles to deliver water at extreme pressures. Metrocorp has units from 3000psi to 40,000psi to cover almost every application.



INDUSTRIES WE SUPPORT

Metrocorp works across all sectors of these industries, providing Access, Inspection and Repair services:

- Water, Wastewater, Stormwater
- Transport – Rail, Roads and Maritime
- Defence



A HISTORY OF INNOVATION

Innovation has been our key to solving many of our clients most challenging asset maintenance problems. In a number of cases, we have only been able to undertake projects because of the innovative solutions we developed that met specific project requirements in safety, productivity, and cost efficiencies.

Wherever possible we deploy technologies and engineering solutions to reduce the number of workers required, or even in the case of drone and all-terrain pipeline robot inspections, remove personnel altogether.

HSEQ ACCREDITATION

Our certifications demonstrate our commitment to delivering complex projects to the highest standards.

ISO 45001 Work Health and Safety

ISO 14001 Environmental

ISO 9001 Quality Management Systems



Talk to us about accessing, inspecting and repairing your infrastructure assets to extend their operational life. No matter where, no matter how hard.

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