

HYDRO-RUBBING® low pressure VORTEX® System

NETWORK : THE ANTI-GRAFFITI SOLUTION

Use of the patented VORTEX® System guarantees low pressure

Over the last few years, quality constraints have changed to allow all sensitive supports to be cleaned without suffering damage or being denatured by restoration work. The new NETWORK® concept takes these constraints into account and provides efficiency whilst respecting the surfaces treated.

The methods used are often unsuitable for the type of the material, are too aggressive or require substantial and costly protection and most of the time do not meet ecological or health safety requirements.

New equipment on the market adapt several traditional methods or make them less abrasive (micro-sandblasting). Unfortunately, these developments are to the detriment of cost-effectiveness.

The Network® Low-Pressure Hydro-Rubbing® equipment (0.5 to 1.5 bars on the support) ensures, thanks to its innovative patented blasting system, compliance with new working quality and processing comfort requirements. It represents considerable progress and allows work from aerial platforms.

Also, the operating procedure avoids all sources of application errors whilst providing the possibility of working on surfaces such as soft and hard stone, molasses, frescoes, statues, timber or surface-coated wooden claddings.

GENTLE PROJECTION

The nozzles used enable efficient creation in the mixing chamber of an optimum water-air-microgranular material fluid then expel it in the form of a homogeneous blast cone called "VORTEX®". The blasting process uses the transformation of pneumatic energy into rotating energy much less aggressive for the support. The VORTEX® requires the use of very fine microgranular material with a low hardness value which is finally distributed in the blast cone and gently rubs the support without altering its texture.

REMOTE CONTROL

The NETWORK® Hydro-Rubbing® equipment offers full autonomy to the operator holding the handle who can operate the machine by simply pressing the trigger.

Also, an adjustment knob enables the operator to remotely control the blast pressure without the need to approach the machine or to have a second operator perform these adjustments.



With this control, the operator can select the projection speed to suit the type and the hardness of the supports worked. Lastly, as an option, remote control of microgranular material flow rate can be installed on the handle enabling the same operator to adjust the volume of consumables according to the type of soiling to be removed in real time.

LOW OPERATING COSTS

All these technical innovations have significant effects on the quality of the work performed and the respect of the treated surfaces both by the blast mode and the adjustment possibilities guaranteeing exemplary work.

This equipment can be used on all surfaces such as stone, wood, plastics and metals, etc., even those which are in poor condition or highly sensitive (sandstone for instance or heritage stonework). Hydro-rubbing® is especially suited for removing all sorts of thin films (graffiti, pollution, cryptogams, paints, etc.).

The possibility of being able to work in a single-set configuration, together with the high work rate of this equipment, means that Hydro-rubbing® has low operating costs enabling access to all sorts of work sites even the most competitive.

Use is easy and rapid enabling multiple and efficient operations in urban areas without protection or nuisances and causing very little soiling.

A LARGE RANGE OF APPLICATIONS

Low-pressure Hydro-rubbing® can be used for the following types of work:

- Cleaning all mineral surfaces.
 - Stones, natural or reconstructed.
 - Bricks, ceramics or vitreous pastes.
 - Structured concretes.
- Restoration of protected objects or monuments.
- Cleaning of woodwork, claddings, varnished, surface-coated or rough timber.
- Stripping of thin paint coats.
- Removal of graffiti from all supports.
- Removal of corrosion from non-ferrous metals.
- Preparation of supports (degreasing before applying paints or sealing systems).

This innovative equipment uses state-of-the-art techniques and enables all work to be performed on a tight budget with maximum concern for the environment, health and especially the surface treated.

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WORK®**

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