



## ***Universal Minerals, Inc.***

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## **Use of MaxxStrip in Water Blast Cleaning Operations**

### **Specialized Equipment Recommended for High Pressure Water with Abrasive Injection**

- MaxxClean induction Pot – feed rate of 2 1/2-3 1/2 lbs per minute. Abrasive consumption will depend on pressure and volume of water pump being used.
- MaxxClean Induction Fan Tip (15 deg.)
- Abrasive Feed hose (connects abrasive pot to nozzle)
- Pressure pump 3,000 psi – 20,000 psi (hot water unit preferred)

The MaxxClean Induction System works on a Ventura Principal. High-pressure water flowing through the special designed nozzle creates a vacuum, pulling the abrasive from the abrasive pot to the nozzle.

### **Recommended Clean Up of Spent MaxxStrip Abrasive**

- MaxxStrip does not instantly dissolve by rinsing with cold water. Water temperature of 190 – 210 degree F will work much faster at dissolving MaxxStrip. Standard hot water pressure washers will achieve the recommended rinse temperatures. Periodic hot water rinsing as the job progresses is also highly recommended. This will eliminate copious amount of media build up at the end of the job. If instructions are not followed and small amounts of cold water are used to try and rinse the spent MaxxStrip, cleanup will take longer. Improper rinsing with cold water will cause a partial breakdown, fusion and hardening of spent MaxxStrip will result. The hot water rinse will also rinse away any contaminates from the cleaned surface. The contractor will also have a much cleaner surface than a surface cleaned with conventional dry blasting.

### **Surface Profiling**

- MaxxStrip is not to be used when a new profile is desired on steel structures. When using MaxxStrip on a prior blasted steel surface, the original profile is left intact. MaxxStrip can be made to profile softer substrates such as aluminum, brass, fiberglass and galvanized steel.

### **Pre job masking**

- Labor cost for pre job masking and cover of sensitive equipment such as pumps, shafting bearing, seals, hoses, electrical, cooling towers and hydraulic equipment is no longer required when using MaxxStrip.

### **Use in Hazardous Environments**

- Unlike hard abrasives, MaxxStrip can be used around hazardous environments because of its non-sparking characteristics. It is recommended that you make sure that all of your equipment is grounded for the possibility of a static discharge.

### **Worker Safety in Mind**

- MaxxStrip is a silica safe abrasive. It is extremely safe for workers to use. No air supplied respirators or hoods or filters are required.

### **Lower Operating Costs**

- No vacuuming of spent abrasives, loading to truck and hauling to landfills. No dust control equipment needed. No airline respirator or hoods are needed. No pre job masking is needed. Labor force is more relaxed, comfortable and productive.

With some simple preparation, the contractor will be able to use MaxxStrip in Dry Blast Cleaning Operations in a very safe, cost effective and environmentally friendly manner. Universal Minerals, Inc. is prepared to assist the contractor with technical support.

Please call Harry Richmond at 800-528-7086 or 713-797-1014.