

Vapor Abrasive Blasting

ICRI 2016

Eric Rennerfeldt

Product Manager – Protective Coatings
and Surface Preparation Equipment

PROVEN QUALITY. LEADING TECHNOLOGY.

Agenda

- Blast methods that use water <u>and</u> abrasive media
- · Vapor abrasive blasting
 - How and why it works
- Basic system components
- Applications
- Q&A



Blasting Methods using Water and Media



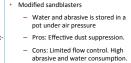
2016 Fall Convention | November 9-11 | Cleveland, Ohi

Abrasive Blasting Methods Using Water WIN Nozzles Water Injection Nozzles (WIN) Jets of water dampen abrasive as it leaves the nozzle Pros: Relatively inexpensive. Suppresses 50-85% of dust Cons: High water consumption for maximum dust suppression

Abrasive Blasting Methods Using Water



- Cabinets and blast rooms
 - Water and media are mixed and sprayed inside an enclosure
 - Pros: Allows for media recycling, builtin containment.
 - Cons: Stationary. Blasting limited to objects that can fit in the enclosure.



CONCRETE REPAIR

2016 Fall Convention | November 9-11, | Cleveland, Ohio

Problems with some Wet Technologies

- Each wet system... although reducing dust has had many drawbacks and potential problems
- Over time these drawbacks and problems from older wet blast technologies have lead to many myths about anything wet abrasive
 - Too wet, low production rate, etc.
- This all changed with Vapor Abrasive blasting!



2016 Fall Convention | November 9-11 | Cleveland, Ohio

