

Experts in surface preparation  
are not only working on greens.



## The World Leader in Steel Shot and Grit, Cut Wire and Stainless Steel Media

Far beyond playing the simple role of a commodity supplier, W Abrasives is always willing to partner with our customers in order to continuously improve. In order to meet the stringent requirements of the surface preparation industry, W Abrasives produces new products specially designed to offer improved process consistency and lower production costs.

Get in touch with your local contact  
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or by phone: + 1800 207 4691

Cast Steel Shot - Cast Steel Grit - Stainless Steel Media  
Technical Support - Maintenance and Service

A complete range of innovative solutions



[wabrasives.com](http://wabrasives.com)



W Abrasives  
your key success factor

W Abrasives is a brand of Winoa

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## How to Optimize Surface Preparation

**W Abrasives can help you Reduce residual dust and Soluble salt concentration while improving Profile consistency and Surface Cleanliness !**

It is very well known that coating failure is attributed to improper or ineffective surface preparation in 75% of the cases studied and the coating or coating application procedure only negatively affected 25% of cases.

**W Abrasives**, the World's leading manufacturer of cast steel Shot and Grit, has developed solutions, tools, service and technologies to improve all aspects of Preparing Surfaces.

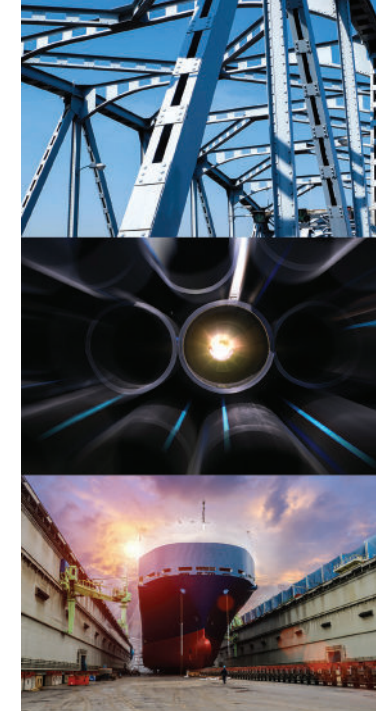
**Abrasive Conductivity:** The presence of soluble salts (mostly chlorides and sulfates) at the steel/paint interface is known to have a detrimental effect on coating life. Through our unique **Air Quenching Process**, W Abrasives steel shot and grit achieve conductivity levels at or lower than 30  $\mu\text{S}/\text{cm}$ , significantly below ASTM D4940 low level value, but also much lower when compared to our competitors that are using a water quenched process or Non-metallic abrasives (typically between 250  $\mu\text{S}/\text{cm}$  to 600  $\mu\text{S}/\text{cm}$  or even higher).

**Surface Cleanliness:** The only approved method to determine surface cleanliness is the visual reference using a series of photographs (SSPC VIS-1), being operator dependent and subjective. W Abrasives, through our Technology division, has developed an exclusive tool called the **WA Clean**. This device objectively evaluates the cleanliness level of a blasted surface. This tool has helped our customers lower their costs by optimizing their blasting process to avoid over-blasting.

**Surface Profile:** Using our **WA 3D technology** tool, it is now possible to visualize the roughness profile of a blasted surface in the form of a 3D representation. This technology opens up the possibility of using roughness parameters that were impossible to access up to now. Combined to some High Performance Premium Steel Media, your surface profile consistency, equipment maintenance cost and your productivity level will all be optimized.

**Residual Dust:** The Iso 8502-3 standard that regulates this aspect is quite ambiguous. That's why Winoa has developed a new technology for an objective and more accurate evaluation of it. It's named **WA Dust**. Combined with high quality abrasive media, you will be able to monitor, control and reduce dust levels on steel surfaces.

**High Efficiency Abrasive Media:** W Abrasives has developed many **Premium metallic abrasives** to deal with increasingly binding surface preparation specifications. Ex: Our **Surfium product**, used in Wheel Blast machines, can achieve improved cleaning performances up to 20% and reduction in residual dust up to 15% versus commonly used



winoa  
preparing tomorrow's surfaces

steel media - while improving operating mix and surface profile consistency.

For more information or for a visit with one of our specialists, call 800-207-4691 or visit [www.wabrasives.com](http://www.wabrasives.com)



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