

OPTIMAL SURFACE PREPARATION SOLUTIONS FOR PIPELINE COATING INDUSTRY

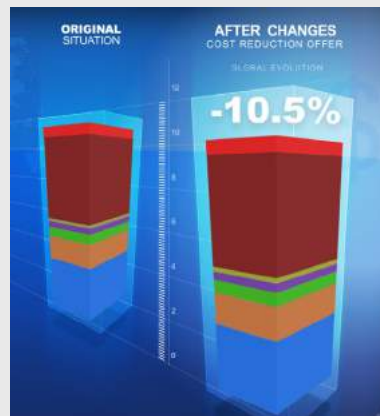
- **Surfium®** Premium steel abrasives
- **Stelux®** Stainless steel media
- **WA Clean®** measuring tools
- **WCare®** dedicated service offer



Customized solutions for surface preparation before coating of pipelines

By working with Winoa, you will **optimize the surface profile** according to contractors' specifications to ensure **the coating's durability**. In addition, you will get:

- Increased cleaning rate & reduced consumption thanks to an unrivalled quality/cost ratio
- Improved blasting efficiency achieved by a more stable operating mix
- Reduced coating's consumption due to a better uniform profile consistency.



Applications

- Descaling
- Shot blasting
- Stainless
- Duplex pipe
- Quality control



Extremely low conductivity for a minimal surface contamination

- Reduce risk of soluble salts (chlorides and sulfates) contamination.
- All our Premium plants use a unique Air quenching manufacturing process minimizing presence of soluble ionic species versus water quenching process used by our competitors.

Potential effect on steel of high levels of chlorides in the steel media:

- Steel corrosion initiation
- Osmotic blistering



Water soluble ionic contamination of abrasives



Abrasives conductivity levels

wabrasives.com

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W Abrasives Solution

With the creation of dedicated products, equipment and services,

W Abrasives offers **dedicated solutions for the pipe coating industry.**

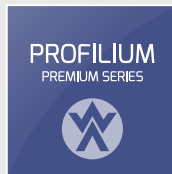
Surfium® is a high performance alternative to standard metallic abrasives commonly used in surface preparation both in terms of efficiency and surface quality. Used in wheel blast equipment, it offers increased performance while reducing dust contamination and consumption.

For any airblast application requiring performance and consistency, our **Profilium®** steel grit abrasive will outperform any regular grit product.

In addition, we offer exclusive **Stelux®** stainless steel media solutions for projects requiring stainless steel pipes.



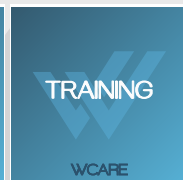
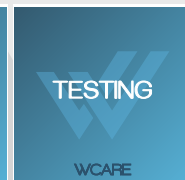
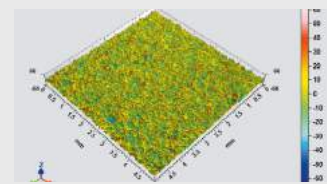
Products



Services and Tools to support coating/painting solutions after blasting



- **WA Clean:** Unique cleanliness measurement tool to optimize blasting costs – ISO Certified
- **WA 3D:** 3 dimensional roughness analysis to follow-up on quality and finish operations
- **WA Cost:** a complete program to measure and quantify the savings produced by the implementation of our services and solutions.
- **WCare:** a full range of services including training, consultation, maintenance of your air or wheel blasting equipment as well as the optimization of your cleaning process.



Quality control

In addition to being ISO 9001, all our sites are now accredited ISO 14001 for environmental management and ISO 45001 for the management of Health and Safety systems.



In addition, our media meets the highest standards in the industry including:

SAE J444, SAE J827, SAE J1993, SSPC-AB 3, ISO 11124-3

Global presence

Get the security you need to get high support, consistent product quality and availability through our nine production plants, our multiple services and warehouse centers, and our hundreds of contact points spread over every continent.

wabrasives.com

