

Chesapeake Soda Clean, Inc.

Mobile Paint Stripping & Surface Restoration

410-271-2652 www.ChesapeakeSodaClean.com

BLASTING RESIDUE MUST BE REMOVED BEFORE APPLYING ANY COATING! PROPER USE OF HOLDTIGHT 102, A WATER ADDITIVE, IS RECOMMENDED TO REMOVE SURFACE SALTS AND PREVENT FLASH RUST. VISIT WWW.HOLDTIGHT.COM FOR MORE INFORMATION.

CONSULT AND FOLLOW ANY AND ALL COATINGS MANUFACTURERS PRE-PAINT INSTRUCTIONS!

Unique Physical Properties of Natrium 260 Soda Blast Media

The cleaning effectiveness of baking soda is a direct result of its physical properties. These qualities allow the media to be used in a wide variety of applications.

The magic of baking soda is due to:

- Granulation resulting in a consistent sizing of the cleaning media
- Shape is multi sided and leads to an improved cleaning capability
- Hardness is such that it will not damage delicate substrates
- Friability (easily crumbled) enhances the cleaning process
- pH of baking soda media (8.2) greatly reduces any caustic effect

These properties provide the cleaning power of baking soda media:

1. High friability with consistent angular fractures results in smaller, uniformly angular cleaning particles. This feature ensures that all surfaces of a substrate can be cleaned effectively.
2. Baking soda media is very soft (2.4 on Mohs Scale of Hardness) and is a friable cleaning agent. This means that blasting with baking soda is like throwing a snowball at a fence whereas other less friable media (plastic at 3.5 and glass at 4.5 on Mohs Hardness Scale) is like throwing a stone at a fence.
3. Baking soda media imparts a cleaning effect where other abrasives use a hit and cut method to clean or chop away the coating.
4. Baking soda crystals begin at less than 70 microns. At impact, the crystal crumbles and gently imparts the energy into a cleaning mass. Much of this energy is transferred perpendicular to the angle of the blast across the entire structure. The result is a clean surface.
5. Easily removes carbon, grease, oils, gasket material, surface corrosion, paint and coatings from a variety of alloys, plastics and composites without substrate damage or distortion, and leaves hard anodized coatings intact.
6. Reduces cycle time by cleaning, de-greasing, de-painting all in one step. Unlike glass beads or plastic media, baking soda may require no pre-wash and its water solubility allows for complete rinsing, eliminating the risk of spent media lodging in tight spaces or critical passageways.
7. As long as baking soda is on a ferrous metal surface, rust will not form. For rust to form, free moisture and an acidic condition must exist. In most cases, free moisture combines with carbon dioxide in the atmosphere to form carbonic acid. This acid releases a free metal (ferrous) ion, which combines with oxygen (oxidizes) to form rust. Baking soda buffers the acids, prevents the release of free metal ions and prevents rust.