

# Re-Man XL

## Sodium Bicarbonate Blast Media



### PRODUCT DESCRIPTION

Before anything else can be done to the cores or components being rebuilt or remanufactured, it needs to be cleaned and inspected for defects. ARMEX has answered the problem of ineffective and time-consuming cleaning processes with the introduction of Re-Man XL, the first abrasive blast media specifically formulated for the remanufacturing and rebuilding industry. With its extraordinary ability to quickly eliminate grease and oil plus the power to remove burnt-on carbon, light rust, gasket materials, coatings and grime all in one-step. Furthermore, Re-Man XL will never damage what you are cleaning reducing rejected cores and components.

- Non-destructive cleaning, preserves surface being cleaned
- Environmentally friendly, safe technology, no danger to operators or environment
- Non-hazardous/Nontoxic as defined by EPA & OHSA
- Contains no free silica or caustic chemicals
- Nonflammable and is non-sparking, resulting in significant worker safety advantages
- Safe to use on virtually any substrate, including delicate surfaces
- Water Soluble eliminates media residue concerns & disposal less solid waste generated

### PRODUCT INFORMATION

<b>Product SKU:</b>	20504218
<b>Appearance:</b>	White crystalline powder
<b>Physical State:</b>	Solid
<b>Bulk Density:</b>	60 lbs/ft <sup>2</sup> (1 g/cc)
<b>Specific Gravity:</b>	2.2
<b>pH:</b>	8.2 (1% solution)
<b>Solubility:</b>	Water - 8.6 g/100ml @ 68°F (20°C)
<b>Mohs Hardness:</b>	2.5
<b>VOC (As supplied):</b>	0
<b>Packing:</b>	50-lb multi-walled bag

#### Information on Ingredients:

The media contains sodium bicarbonate that meets USP (United States Pharmacopeia) standards and typically, has less than 50 ppm each of chloride & sulfate ions.

#### Particle Size:

The media has an optimized particle size distribution as follows:

- Retained on 40 mesh sieve (425 microns): 8% max.
- Retained on 60 mesh sieve (250 microns): 60% min.
- Retained on 100 mesh sieve (150 microns): 70% min.
- Retained on 200 mesh sieve (75 microns): 80% min.
- Retained on 325 mesh sieve (45 microns): 90% min.

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**PRODUCT USE**

**Typical Operating Conditions:**

Re-Man XL is specially formulated for use with contained cabinets only with clean dry air designed for baking soda based delivery. Typical operating conditions are summarized as follows:

- Air Pressure:** 10-100 psi (0.7-7 bar)
- Air Volume:** 100-300 cfm (2,800-8,500 liters/min.)
- Media Flow Rate:** 0.5-3 lbs/min. (0.2-1.4 kg/min.)
- Water Flow Rate:** 0-2 gpm (0-7.6 liters/min.)

**Rinsing Properties:**

A carbon steel panel was dipped into a slurry (under agitation) containing 0.15% dirty motor oil and 50% blast media. The panel was then rinsed with potable water.

Blast Media Type	Rinsing Characteristics	Amount of Grease/Oil Deposited
Re-Man XL	Water sheets off metal surface, indicating absence of grease/oil.	Not Detectable
Hard Blast Media (Non-Sodium Bicarbonate)	Water beads on metal surface, visible grease/oil left behind	>0.1 gm/ft <sup>2</sup>

**Corrosion Data:**

Aluminum and carbon steel panels were immersion tested in saturated solutions at 120°F for 14 days. Corrosion rates of the media were found to be significantly lower than those of distilled water.

Product	Immersion corrosion Rate (mils/yr.)		
	AL-7075	AL-5050	CS-1020
Distilled Water	1.15	1.11	9
Re-Man XL	0.25	0.2	0.17

**IMPORTANT NOTES**

User should ensure they have a copy of Safety Data Sheet for this product and they are familiar with all the safety direction before use. SDS can be downloaded at [www.armex.com](http://www.armex.com). Re-Man XL is specially formulated for use with contained cabinets only with clean dry air designed for baking soda based delivery. Re-Man XL is not recommended for use in portable blast pots.

**For additional ARMEX information visit [www.armex.com](http://www.armex.com)**

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