



# SunDial Powder Coatings

## 7 Stage Washer – Comparison Chart



Technical Perspective	To You
<p><b>1st Stage – Alkaline Degreaser</b></p> <p>The 1<sup>st</sup> Stage is a high temperature and high-pressure alkaline degreaser designed to remove oils and organic contaminants from the surface of the product. This process is closely measured for chemical balance. A sample of the solution is measured at specific intervals to assure proper chemical levels and effectiveness</p>	<p>The cleaner the product results in superior coating application and performance.</p> <p>The better the surface is prepared...the better the end product!</p>
<p><b>2nd Stage – Neutralizing Bath</b></p> <p>The 2nd Stage is a neutralizing bath that neutralizes the alkaline degreaser and prevents over cleaning.</p>	<p>Prevents potential damage to the surface... again resulting in a higher quality finished product.</p> <p>The cleaner the surface...the better the end product... the happier your customer!!</p>
<p><b>3rd Stage – De-ionization Water Rinse</b></p> <p>The 3<sup>rd</sup> Stage is an ultra pure medical grade de-ionized water rinse. It removes any final residue that may remain prior to the application of iron phosphate.</p>	<p>Assures an even and consistent application of the stage 4 process, resulting in higher quality finished products.</p> <p>The cleaner the surface... the better the bond... the better the end product... resulting in improved customer satisfaction</p>
<p><b>4th Stage – Iron Phosphate</b></p> <p>The 4th Stage is the application of Iron Phosphate. This provides an even 'etching process' giving the surface the correct tooth., for the powder to bond.</p>	<p>When the surface is 'etched' correctly, it allows for more even application of the powder coating material and improved bonding.</p> <p>The cleaner the surface...the better the bond... The result...better -looking, higher quality, more durable finished products. And...the happier your customer is!</p>
<p><b>5th Stage – Neutralizing Bath</b></p> <p>The 5<sup>th</sup> Stage is a neutralizing bath that neutralizes the etching process and prevents over etching.</p>	<p>Assures an even and consistent application of the stage 7 sealing process, resulting in higher quality finished products.</p> <p>The better the surface is prepared...the better end product. The result...better-looking, higher quality, more durable finished products. And, happier customers!</p>
<p><b>6th Stage – Ultra-pure Rinse</b></p> <p>The 6<sup>th</sup> Stage is an ultra-pure 'final rinse before sealing function. It assures that there are absolutely no contaminants left that could potentially cause product failure.</p>	<p>If any contaminants are left on the surface before sealing, it could cause an application issue 'even powder distribution' or 'bonding' and raise the potential for product failure. This stage assures that that doesn't happen.</p> <p>The cleaner the surface...the better end product... Resulting in happier customers!</p>
<p><b>7th Stage – Variable Sealer</b></p> <p>The 7<sup>th</sup> Stage is a variable sealer that is designed to build up the product surface to meet the specific requirements for each type of substrate – it's properties are designed to bond with iron phosphate and it also acts as a barrier seal to further protect the metal from corrosion.</p>	<p>Metal surfaces are not even and can also be somewhat porous. The 'sealing process' helps to microscopically <i>smooth it out</i> and fill any porosity.</p> <p>Stage 7 permits an even application of the actual 'powder coating' while providing an additional level of protection against corrosion...Resulting in better-looking, higher quality and more durable products! And...<b>HAPPIER CUSTOMERS – YOURS!</b></p>