
















Making Red Pigment for School Paints

	Stages in process	Photo number	Photo caption
1	A and B are powders which are dissolved in water in two separate tanks.	 <p style="text-align: center;">ECP 37</p>	Two tanks of dissolved powders
	When dissolved, A is a clear liquid and B is a light brown liquid	 <p style="text-align: center;">ECP 52</p>	A light brown liquid
2	The two liquids are mixed together in a third tank by opening valves (like taps).	 <p style="text-align: center;">ECP 38</p>	Tank and valve
	The mixture becomes red and is a fairly thick liquid called a 'slurry'.	 <p style="text-align: center;">ECP 33</p>	Red slurry
	The slurry is emptied from the bottom of the tank by opening a valve.	 <p style="text-align: center;">ECP 43</p>	Opening the valve
3	The slurry is passed through a filter press to remove most of the water. It is now a paste.	 <p style="text-align: center;">ECP 32</p>	A filter press
4	The pigment paste is scraped from the filter cloth and people move it to the ovens.	 <p style="text-align: center;">ECP 46</p>	Scraping pigment paste from a filter cloth

<p>4 contd.</p>		 <p>ECP 18</p>	<p>Pigment paste being moved to the ovens</p>
<p>5</p>	<p>The damp, lumpy paste is dried on large trays in big ovens</p>	 <p>ECP 16</p>	<p>Trays of lumpy paste in oven</p>
<p>6</p>	<p>The dried lumps from a few batches are now mixed in a 'ribbon mixer' to make them the size of a thumb nail</p>	 <p>ECP 25</p>	<p>A ribbon mixer</p>
		 <p>ECP 28</p>	<p>Dried pigment from a ribbon mixer</p>
<p>7</p>	<p>These smaller lumps are then ground into a fine powder</p>	 <p>ECP 08</p>	<p>A grinder</p>
		 <p>ECP 10</p>	<p>Fine holes in the mesh of the grinder</p>
<p>8</p>	<p>The red powder is poured through a hopper into large paper bags, a similar size to bin bags</p>	 <p>ECP 14</p>	<p>Filling bags with pigment powder</p>
<p>9</p>	<p>The bags are sealed and put into large cardboard boxes ready to send to the customers</p>	 <p>ECP 23</p>	<p>Bags of pigment are sealed and put into boxes</p>