

# HITCHINS

## TECHNICAL DATASPEC

# DUFORM 2

## Coating for Steel and Concrete

December 2014	NO.1408 v2
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<b>Description</b>	A coating system based on acrylic modified, plasticized chlorinated rubber incorporating inert mineral fillers and light fast pigments.
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<b>Recommended Uses</b>	<p>A coating with high chemical and abrasive resistance for application on structural steel-work, marine installations, chemical plants, road and rail tank wagons etc.</p> <p><b>DUFORM 2</b> can be applied to metal or concrete.</p> <p><b>DUFORM 2</b> is suitable in and around fresh and salt water swimming pools, or any structures exposed to marine conditions.</p>
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<b>Properties/Features</b>	<b>DUFORM 2</b> is impact resistant, and impervious to blood, oil and water, and has a high resistance to acid and alkali attack.
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<b>Limitations</b>	<p>Poor chemical resistance to ketones, esters, animal and vegetable fats.</p> <p>Poor to fair chemical resistance to hydrocarbons.</p> <p>Do not apply product in excessive heat or direct sunlight.</p>
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Technical Data			
Classification	Chlorinated Rubber-Acrylic modified		
Colour	Wide range of BS5252 colours available		
Application Temperatures	0°C-35°C	Coverage rate	8m <sup>2</sup> /litre
Application	Brush, Roll or Spray	Shelf Life	3 years
Packaging	4 and 20 litre steel drums	Specific Gravity	1.15kg/litre
Solids Content	48% by weight	Flash Point	11°C
Dry time 18°C at 65%rH	2 hours	Re-coat Time	4-8 hours
Clean up	No 7 thinners	VOC	643grams/litre

<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>All surfaces to be painted must be dry, sound and thoroughly cleaned, free of dirt, dust, oil, grease, moss, mould and loose flaking paint.</li> <li>Nibs, protrusions and uneven surfaces should be sanded smooth.</li> <li>Cracks, holes and surface imperfections should be filled with suitable sealants and fillers, allowed to cure, then sanded to an even finish.</li> <li><u>Concrete and cementitious substrates</u> should be cured for a minimum of 28 days and must be free of curing membranes, bond breakers, form release agents and efflorescence.</li> <li><u>Galvanized iron</u> should be degreased. Rust areas should be wire brushed to expose clean steel and primed with diluted Duform 2.</li> </ul> <p><u>Steel work</u></p> <ul style="list-style-type: none"> <li>Excessive rusting prepared by grinding, wire brushing, sanding, etc and primed with diluted Duform 2.</li> <li>All other steel work should be primed with a coat of diluted Duform 2.</li> </ul> <p>Hitchins New Zealand Limited provide full written surface preparation and specifications on application.</p>
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### Hitchins New Zealand Limited

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<b>DUFORM 2</b> <i>Coating for Steel and Concrete</i>	
<b>December 2014</b>	<b>NO. 1408 V2</b>
<b>System</b>	<ul style="list-style-type: none"> <li>Primer coat as per chart</li> </ul> <b>Duform 2 Basecoat</b> <b>Duform 2 Topcoat being 2 of</b>
<b>Coverage</b>	<ul style="list-style-type: none"> <li>Primer coat as per chart</li> </ul> <b>Duform 2 Basecoat</b> 8m <sup>2</sup> per litre <b>Duform 2 Topcoat:</b> 6m <sup>2</sup> per litre
<b>Application</b>	<p>The primer must be brushed, ensuring maximum penetration and adhesion to the work surface.</p> <p>Base and topcoats can be brushed or sprayed and must be applied as a thin coat to avoid solvent trap and subsequent blistering.</p> <p>The spray system should be used wherever possible when applying the topcoats.</p> <p>Allow 24 hours between coats to avoid possibility of solvent trap.</p>
<b>Drying and curing</b>	<p>Application of this product should be avoided in excessive heat or direct sunlight. These conditions can lead to excessive skinning and subsequent blistering problems. <b>DUFORM 2</b> is touch dry within the hour, but 24 hours should be allowed between coats under normal conditions.</p>
<b>Clean Up</b>	No 7 Thinners
<b>Health and Safety</b>	<ul style="list-style-type: none"> <li>Toxicity is present in the solvent fumes and therefore a consistent airflow must be maintained.</li> <li>Please refer to the Safety Data Sheet 1408.</li> <li>Wear protective clothing, gloves and mask, protect hands with barrier cream.</li> <li>Wash hands in hand cleaner, then soapy water.</li> </ul>
<b>Compliance</b>	Do not apply or install any Hitchens product or process to building structures that do not comply with the Building Code.
<b>Warranty</b>	<b>DUFORM 2</b> , as part of a process, is covered under the Hitchens Product Performance Warranty Document for “ <b>that</b> ” products process, as per our Warranty Schedule.
<b>Swimming Pool</b>	<b>DUFORM 2</b> coating process requires good pool servicing and maintenance coating on a 2 to 3 year cycle.