

Product Data Sheet

Colourcrete Surface Hardener C156

Uses	Colourcrete Surface Hardener C156 is a curing compound/dustproofer based on Sodium Silicate. Sodium Silicate chemically reacts with free lime present on the concrete which is produced during the hydration of cement to produce Calcium Silicate.
Features	The use of Colourcrete Surface Hardener C156 is suitable for use on all concrete surfaces made from Portland Cement, old or new, where surface dusting is a problem. Can be used as a curing compound whereby over-coating is not a problem. Surface hardener C156 is low viscosity and sprayable.
Advantages	Colourcrete Surface Hardener produces a hard dust proof surface Perfect for warehouse and factory floors.
Product Description	Colour: Clear Solid/Liquid: Liquid Smell: Slight detergent smell Finish: Unchanged Finished Life Expectancy: Permanent
Packaging	5litre, 20litre and 210litre
Coverage	5-6m ² /litre When used as a surface hardener/dustproofer, a minimum of two coats is required
Testing/Approvals	ASTM International C156 Standard Specification for water loss through liquid membrane-forming for Curing Concrete
Application	As a Curing Compound Colourcrete Surface Hardener C156 is to be applied as soon as the initial bleed water movement has finished or after the removal of the formwork. The product is best applied by hand operated or power driven spray equipment, also by roller or brush. The second coat if used, should be applied at right angles to the first. During windy conditions, be careful of overspray. As a Dustproofer The concrete surface must be clean, free from oil or other contaminants and any loose materials. The concrete should be

	<p>at least 28days old and completely dry to take advantage of its full effectiveness as a dustproofers/surface hardener.</p> <p>Using a vacuum cleaner is a more effective way than brushing the floor with a soft broom for removing all traces of dust.</p> <p>Colourcrete Surface hardener C156 can be easily by any water receptacle, ie: watering can, sprayer etc and spread around with a soft broom or sponge mop.</p> <p>To ensure the thorough benefits of this product, brush the liquid compound evenly over the surface, taking particular care as not to allow the liquid to pond or pool.</p>																				
Technical Data	<table> <tr> <td>Appearance</td> <td></td> </tr> <tr> <td>Odour</td> <td>Light detergent smell</td> </tr> <tr> <td>Melting Point</td> <td>0° C</td> </tr> <tr> <td>Boiling Point</td> <td>100 °C</td> </tr> <tr> <td>Solubility in Water</td> <td>Soluble in water.</td> </tr> <tr> <td>SG</td> <td>1.39 kg/m3</td> </tr> <tr> <td>Vapour Density(air=1)</td> <td>Heavier than air</td> </tr> <tr> <td>Flashpoint</td> <td>Not applicable</td> </tr> <tr> <td>Flammability</td> <td>Non-Flammable</td> </tr> <tr> <td>Auto-Ignition Temp</td> <td>Not applicable</td> </tr> </table>	Appearance		Odour	Light detergent smell	Melting Point	0° C	Boiling Point	100 °C	Solubility in Water	Soluble in water.	SG	1.39 kg/m3	Vapour Density(air=1)	Heavier than air	Flashpoint	Not applicable	Flammability	Non-Flammable	Auto-Ignition Temp	Not applicable
Appearance																					
Odour	Light detergent smell																				
Melting Point	0° C																				
Boiling Point	100 °C																				
Solubility in Water	Soluble in water.																				
SG	1.39 kg/m3																				
Vapour Density(air=1)	Heavier than air																				
Flashpoint	Not applicable																				
Flammability	Non-Flammable																				
Auto-Ignition Temp	Not applicable																				
Clean up	Clean out the equipment after use when there is likely to be a delay of more than half an hour before it is used again. Pay particular attention to the cleaning of the nozzle and hose. If cured, use a mineral solvent.																				
Storage	12 months in original unopened container.																				
Additional Compatible products	CTI Synclean																				
Health & Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety- related data.																				
First Aid	<p>INHALATION Should the vapours cause discomfort, which is unlikely, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>INGESTED</p> <p>Small quantity: Give a glass of water if the person is conscious.</p> <p>Large quantity: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. DO NOT induce vomiting unless directed to do so by medical personnel.</p> <p>Seek medical advice/attention or call National Poisons Centre (0800 764 766) for advice.</p> <p>EYE CONTACT IF IN EYES: Hold eyelids apart and rinse cautiously with water for several minutes. Remove contact lenses, if present and</p>																				

	<p>easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.</p> <p>SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water. Get medical attention if irritation occurs.</p>
Restrictions of Use	Do not use in an environment that is going to be subject to a harsh drop in temperature within 28 days of application (eg; freezers and cool stores etc)
Precautions	<p>Do not allow Surface Hardener C156 to pool or pond. If this occurs, once dry, powdery white crystals will appear. Scrubbing and washing with clean water can remove these.</p> <p>Protect all surfaces from overspray and splashes as C156 reacts with silica and can damage and etch surfaces particularly those containing silica like glasswork. Completely mask and protect any areas not to be treated DO NOT get overspray on glass or cladding</p>
Contact Details	<p>Concrete Tools Importers Ltd 76a Oxford St Richmond Nelson</p> <p>0800 727 333</p> <p>sales@concretetools.co.nz</p>
Office Hours	Monday-Friday 7:30am – 4:30pm
Legal Notes	<p>The information, and, in particular, the recommendations relating to the application and end- use of our products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with our recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. We reserve the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations.</p>