



## AQUALINE 400

### PRODUCT INFORMATION

<b>Description</b>	A two component 100% solids ambient temperature curing elastomeric coating system specifically developed for use on concrete potable water structures.	<b>Features</b>	BS 6290 approved 100% solids Easy to apply
<b>Recommended Applications</b>	Suitable for use on concrete structures where BS6920 approval is required typically external sealing of water towers and service reservoirs	<b>Package Size</b>	17L

### PRODUCT DATA

<b>Physical Properties</b>	<b>Colour</b>	P Component is Clear C Component is Black or Grey Mixed product is Black or Grey
	<b>Mix Ratio by Volume</b>	2.86 : 1 2.15 : 1 100 45-
	<b>Mix Ratio by Weight</b>	60 30-40 15-25
	<b>% Solids by Volume</b>	
	<b>Pot life at 15°C (Mins)</b>	
	<b>Pot life at 25°C (Mins)</b>	
	<b>Pot life at 35°C (Mins)</b>	
	<b>Wet film build (mm)</b>	Horizontal 1, Vertical 0.25-0.50
<b>Performance Properties</b>	<b>Tensile Strength (MPa) BS6903 Part A2</b>	7-10
	<b>Elongation (%) BS6903 Part A2</b>	300-400
	<b>Temperature resistance (°C)</b>	Maximum 65
	<b>Coverage</b>	1.0 L/m <sup>2</sup> /mm
	<b>Cured Hardness (Shore A) BS6903 Part A57</b>	dft 78-83



## Aqualine 400

### APPLICATION INFORMATION

<b>Surface Preparation</b>	<p>Proper surface preparation is essential to achieve the full potential of the system. Consult the relevant method statement for the application / substrate in question.</p> <p>Product should only be applied in conditions where the Temperature is <math>&gt;3^{\circ}\text{C}</math> above the dew point and Relative Humidity is <math>&lt;85\%</math></p>
<b>Mixing</b>	<p>Prior to commencing use of the product ensure that the two components are stored a temperature of no lower than <math>20^{\circ}\text{C}</math>, a temperature of around <math>25^{\circ}\text{C}</math> is preferable and can be achieved by means of indirect heating with water or in a heated room.</p> <p>Thoroughly mix the C component prior to use. Transfer all of the C component into the P component and mix thoroughly using a variable speed mixer with a spiral or jiffy type mixer paddle taking care not to mix air into the product. Minimum mixer speed should be 800 rpm. Mix the product for 2 minutes, scrape the sides of the container with a long bladed spatula to ensure there is no unmixed product then mix for a further 1 minute. Transfer the contents into another container and mix for a final minute.</p> <p><b>DO NOT BREAK DOWN KITS</b></p>
<b>Application</b>	<p>On horizontal surfaces the product can be applied by roller or poured directly onto the surface, spread out using a squeegee and, if required, finished with a roller.</p> <p>On vertical surfaces it should be applied by roller or brush with care to avoid over application and subsequent running.</p> <p>Review the appropriate method statement for detailed application instruction.</p>
<b>Cure</b>	<p>Cure times are quoted in the table below. For use in applications requiring WRAS approval, 20 days at <math>7^{\circ}\text{C}</math> minimum is the required cure to comply.</p>

	Substrate Temperature		
	$10^{\circ}\text{C}$	$20^{\circ}\text{C}$	$30^{\circ}\text{C}$
<b>Cure Walk on @ 1.5mm (Hours)</b>	6	5	4
<b>Cure Light Duty @ 1.5mm (Days)</b>	1-2	1-2	1-2
<b>Cure 80% @ 1.5mm (Days)</b>	21	10	5
<b>Cure 100% @ 1.5mm (Days)</b>	28	25	12
<b>Recoat Time minimum (Minutes)</b>	90	60	30
<b>Maximum without reactivation (Hours)</b>	24	12	8
<b>Abrade, Dedust + overcoat</b>	$>16$	$>8$	$>6$

<b>Clean Up</b>	<p>All equipment should be thoroughly cleaned directly after use using MEK or suitable alternative where such cleaning is possible.</p>
<b>Shelf life &amp; Storage</b>	<p>A shelf life of 12 months from date of shipment can be expected when stored at room temperature (<math>\sim 22^{\circ}\text{C}</math>) in their original unopened containers.</p>
<b>Precautions</b>	<p>For complete safety and handling information, please refer to Material Safety Data Sheets prior to using this product.</p>
<b>Warranty</b>	<p>Iratheanfutura will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.</p>

