

## AQUALINE 650



### PRODUCT INFORMATION

<b>Description</b>	A two component 100% solids ambient temperature curing elastomeric coating developed for use in conjunction with suitable Irabond Primer where DWI or BS 6920 approval is required. This product is also approved for use in direct contact with potable water in Wales, Scotland and other EU countries.	<b>Features</b>	WRAS approved for external coating of water structures listing number 0601505. Meeting the requirements of UK Regulation 31 for applications in direct contact with drinking water. Able to accommodate crack growth of at least 5mm. Two colour system for multi coat application.
<b>Recommended Applications</b>	Internal sealing of water towers, service reservoirs and potable water storage tanks.	<b>Package Size</b>	3.4 and 17 Litres

### 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>	6 : 1
	<b>(P:C) Mix Ratio by Weight</b>	4.2 : 1
	<b>(P:C) % Solids by Volume</b>	100
	<b>Pot life at 15°C (mins)</b>	45-60
	<b>Pot life at 25°C (mins)</b>	30-40
	<b>Pot life at 35°C (mins)</b>	15-25
	<b>Wet film build (mm)</b>	Horizontal 1, Vertical 0.5-0.75

<b>Performance Properties</b>	<b>Tensile Strength (MPa) BS6903 Part A2</b>	10-15
	<b>A2 Elongation (%) BS6903 Part A2</b>	350-400
	<b>Temperature resistance (°C)</b>	Maximum 65
	<b>Theoretical Coverage</b>	1.0 L/m <sup>2</sup> /mm dft
	<b>Cured Hardness (Shore A) BS9603 Part A57</b>	85-90



## Aqualine 650

### APPLICATION INFORMATION

#### Surface Preparation

Proper surface preparation is essential to achieve the full potential of the system. Consult the relevant method statement for the application / substrate in question.

Product should only be applied in conditions where the Temperature is  $>3^{\circ}\text{C}$  above the dew point and Relative Humidity is  $<85\%$

#### Mixing

Prior to commencing use of the product ensure that the two components are stored a temperature of no lower than  $20^{\circ}\text{C}$ , a temperature of around  $25^{\circ}\text{C}$  is preferable and can be achieved by means of indirect heating with water or in a heated room.

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.

#### **DO NOT BREAK DOWN KITS**

#### Application

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.

On vertical surfaces it should be applied by roller or brush with care to avoid over application and subsequent running.

Review the appropriate method statement for detailed application instruction.

#### Cure

Cure times are quoted in the table below. For applications subject to Secretary of the State for the Environment Regulation 31 paragraph 4(a) 2000 a period of 21 days at  $7^{\circ}\text{C}$  minimum is the for cure profile.

	Substrate Temperature		
	10°C	20°C	30°C
Cure Walk on @ 1.5mm (Hours)	4	3	2
Cure Light Duty @ 1.5mm (Days)	1-2	1-2	1-2
Cure 80% @ 1.5mm (Days)	10	5	3
Cure 100% @ 1.5mm (Days)	15	7	5
Recoat Time minimum (Minutes)	90	60	30
Maximum without reactivation (Hours) (For potable water sites this can only involve abrading the surface otherwise Irabond UU55 can be used)	24	12	8

#### Clean Up

All equipment should be thoroughly cleaned directly after use using MEK or suitable alternative. **(IF THE APPLICATION IS FOR A WATER STRUCTURE CLEAN UP IS GENERALLY NOT POSSIBLE AS SOLVENTS ARE NOT PERMITTED ON SITE)**

#### Shelf life & Storage

A shelf life of 12 months from date of shipment can be expected when stored in dry conditions at room temperature ( $\sim 22^{\circ}\text{C}$ ) in their original unopened containers.

#### Precautions

For complete safety and handling information, please refer to Material Safety Data Sheets prior to using this product.

#### Warranty

Irathane Futura 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.

