

**Horizontal Water Flow Rate Calculations – TourLinks Surface Panels**

<b>Panel Area</b>	784 sq in 0.605 sq yard
<b>Water outflow</b>	5 gallons in 55 seconds* Flow rate = 0.0909 gal /s = 5.45 gal / min = 5.45 / 0.605 gal / sq yd / min = <b>9.02 gal / sq yd / min</b>
<b>Rainfall equivalent</b>	5 gallons per 784 sq in = 1155 cubic inches per 784 square inches = 1155 / 784 inches rainfall depth = 1.47 inches rainfall depth
<b>Rainfall equivalent flow rate</b>	= 1.47 inches per 55 sec = 0.0268 inches per second = 0.0268 x60 x60 inches per hour = <b>96.4 rainfall equivalent inches per hour</b>

*\* Raw data provided by TourLinks*

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