

# Durafiber<sup>inc.</sup>

## TECHNICAL INFORMATION

A Durafiber Group Product

## CONCRETE PERMEABILITY TEST

*Procedure: Von water migration test method using 6" X 12" concrete cylinders.*

Water Of Migration In Mls.						
	2 Days	7 Days	21 Days	28 Days	Total	%
CONTROL	0	1.0	1.7	2.6	5.3	100
DURAFIBER CONCRETE	0	0	.40	1.6	2.0	38

The above values represent total milliliters for two specimens for each type of concrete.

**CONCLUSION:** The concrete specimens containing Durafiber (1-1/2 lbs./cu. yd.) showed a definite reduction in permeability when compared to the control specimens.

The concrete used 5.5 sacks of cement per cubic yard, 3/4" coarse aggregate and washed concrete sand. The coarse aggregate to washed concrete sand ratio was 47/35%.

Both the control and Durafiber batches were identical with the exception of the Durafiber being added at the rate of 1-1/2 pounds per cubic yard. The control concrete was a 4" slump and the Durafiber concrete was 3-1/2" slump.

The 6" X 12" concrete cylinders were placed in a curing tank after 24 hours and cured for an additional 27 days.

The specimens were allowed to air dry for 72 hours and then placed into a container with a water level of 11". They remained in this container for an additional 28 days with water migration readings taken at 2, 7, 21, and 28 days.

All activity was completed at Hill Brothers Research Laboratory at City of Industry, California under the supervision of a licensed engineer.

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