

Mike Stock  
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Date; January 26, 2004

Dear Mike,

Enclosed is a report of the water retention results we recently obtained using Bright Kure & Seal samples received in December from TK Products.

**Scope**

To evaluate the water retention per ASTM C156 of Bright Kure & Seal from TK Products.

**Significance and Use:**

To establish what the water retention capability is of this product and how well it compares to established standards.

**Materials**

The mortar samples tested conform to the standards per ASTM C156 formulated as follows:

Cement Portland type I	1000
Ottawa silica sand per ASTM C 156	2500
Water	400

Flow of the above mortar was 36% per ASTM C 230

Cure and seal is Bright Kure & Seal from TK Products.

**Conditions**

Cabinet where samples were conditioned has an evaporation rate of 2.1 to 2.7 grams / hour.

Materials were conditioned per ASTM C156 @ 100 +/- 2 deg F and 32% +/-2% relative humidity for 72 hours.

The cure and seal was applied when per ASTM C156 no bleed water was present after touching the surface of the samples.

## Results

Panel #	Product	Formula solids	Application rate	Water retention Kg/m <sup>2</sup> 72 hr	ASTM C 1315 requirement Kg/m <sup>2</sup> 72 hr	ASTM C 309 Requirement Kg/m <sup>2</sup> 72 hr
	Run 12 -29- 03					
1	Bright Kure & Seal	25.0 %	300 sqft/gal	0.415		
2	Bright Kure & Seal	25.0 %	300 sqft/gal	0.397		
3	Bright Kure & Seal	25.0%	300 sqft/gal	0.369		
			Average	0.394	0.40	0.55
			High	0.415		
			Low	0.369		
			Standard deviation	0.023		

Based on the above data the Bright Kure & Seal meets the water retention requirements of ASTM C1315 and ASTM C309