



Water Repellent Effectiveness Testing 25/06/2007

To test the effectiveness of Timbakote 1684B compared to other similar products. Samples of T/G Cedar Coated and allowed to condition for 72 Hours. Weighed, and then placed in tray on their ends in water to a depth of 20mils for 1 hour. Removed and weighed again and weight difference recorded.

PRODUCT	Test 1 - 25/06/07 - (3 Days Cure)				Test 2 - 09/07/07 - (14 Days Cure)			
	DRY WEIGHT	WET WEIGHT	DIFF	% DIFF	DRY WEIGHT	WET WEIGHT	DIFF	% DIFF
<b>Timbakote 1684B</b>								
1 Coat	38.70	39.00	0.30	<b>0.78</b>	38.90	38.90	0.00	<b>0.00</b>
2 Coat	38.10	38.30	0.20	<b>0.52</b>	38.40	38.30	0.10	<b>-0.26</b>
3 Coat	37.50	37.60	0.10	<b>0.27</b>	37.60	37.60	0.00	<b>0.00</b>
<b>T/K End Grain Sealer</b>								
1 Coat	37.30	37.70	0.40	1.07	37.50	37.80	0.30	0.80
2 Coat	40.50	40.80	0.30	0.74	40.70	40.80	0.10	0.24
3 Coat	40.50	40.70	0.20	0.49	40.60	40.70	0.10	0.24
<b>T/K Comparison</b>								
1 Coat	40.60	41.60	1.00	2.46	40.80	41.60	0.20	0.49
2 Coat	43.90	44.60	0.70	1.59	44.20	44.40	0.20	0.45
3 Coat	42.10	42.70	0.60	1.42	42.10	42.30	0.20	0.47
<b>Primer Undercoat Acrylic</b>								
1 Coat	37.50	38.30	0.80	2.13	37.60	38.20	0.60	1.59
2 Coat	38.80	39.50	0.70	1.80	38.80	39.30	0.50	1.28
3 Coat	39.70	40.20	0.50	1.25	39.80	40.20	0.40	1.00
<b>Acrylic Low Sheen Paint</b>								
1 Coat	39.80	40.10	0.30	0.75	39.90	40.20	0.30	0.75

2 Coat	37.50	38.00	0.50	1.33	37.60	37.80	0.20	0.53
3 Coat	38.70	39.20	0.50	1.29	38.70	39.10	0.40	1.03
<b>Control</b>					<b>35.90</b>	<b>38.80</b>	<b>2.90</b>	<b>8.07</b>

The water repellancy of the Timbakote 1684B is a major improvement on the traditional Acrylic Paint or Water based Undercoat.

NB: DIFF means difference between Dry and Wet Weight

DIFF % means the % Difference between the Dry and the Wet Weight, ie: Moisture

Uptake expressed as a %