

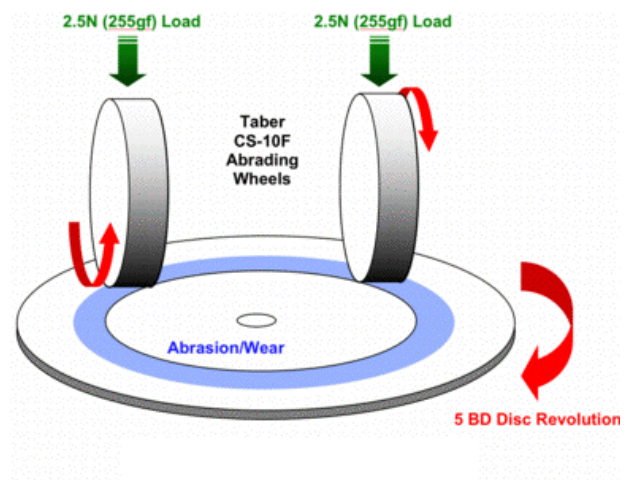
## Abrasion Resistance Test: K-Superskirt® (December 2015)



### Test Objective

The objective of this updated test was to re-check the abrasive resistance capabilities of a competitor's similar looking red coloured polyurethane skirting (previously manufactured as a blue coloured polyurethane) that exists on the market, against the abrasion resistance capabilities of Kinder Australia's red coloured K-Superskirt® Engineered Polyurethane.

Utilising a Taber Abraser, the testing was conducted according to the procedure described in ASTM D 4060.



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### Test Methodology

The Taber Abrasion testing was conducted using a QC-619K Taber Abrasion Tester (manufactured by Cometech Testing Machines Co., Ltd., Serial No. 112674) according to the procedure described in ASTM D 4060.

Method details:

- Type of wheel: H22.
- Frequency of refacing: Wheels were re-surfaced prior to each test. Wheels were not re-surfaced every 500 cycles during the test.
- Load applied to the abrasive wheels (per arm): 1000g.
- Vacuum nozzle height: 6.5 mm.
- Temperature at 23°C for more than 24 hours and prior to testing.

### Test Results

Based on the results of the Taber Test, the test conclusions confirmed that the Kinder Australia's red K-Superskirt® Engineered Polyurethane abrades less by comparison to the competitor's red polyurethane skirting. The final result is further evidenced when tested at 50,000 cycles, wear index results showing 5.8 (K-Superskirt®) compared to 25.92 (competitor polyurethane) or a ratio of 12.3: 1

### Conclusion

**K-Superskirt® lasts 12 times longer in operation than a competitor's similar looking red coloured polyurethane skirting.**

Initial Mass (milligrams)		Final Mass (milligrams)		Amount Removed (milligrams)		Number of Revolutions (cycles)		Wear Index	
Kinder	Anon	Kinder	Anon	Kinder	Anon	Kinder	Anon	Kinder	Anon
151,960	160,113	151,951	160,100	9	3	500	500	18.00	26.00
151,900	160,100	151,867	159,979	33	121	5000	5000	6.60	24.20
151,884	159,979	151,594	156,399	290	3,580	50000	50000	5.80	71.60

Kinder = K-Superskirt® Engineered Polyurethane

Anon = A competitor's red coloured polyurethane skirting