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Effects of abrasive mineral, grit size and feed speed on the quality of sanded surfaces of sugar maple wood

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Due to a processing error, the presentation of Table 1 was incorrect [in the HTML version of this article]. The corrected table is given below.

Table 1 Average roughness average (R_a) of sugar maple sanded surfaces measured along and across the grain for three sanding programs, four feed speeds and two abrasive minerals

Sanding program (grit)	Feed speed (m/min)	Aluminum oxide ^a		Silicon carbide ^a	
		$R_{a }$ (μm)	$R_{a\perp}$ (μm)	$R_{a }$ (μm)	$R_{a\perp}$ (μm)
100	8	2.9 (0.2) ^d A ^e b	5.5 (0.1) A b	2.9 (0.2) A b	5.4 (0.2) A b
	10	2.9 (0.1) A b	5.9 (0.2) AB b	2.9 (0.2) A b	5.1 (0.2) A b
	12	3.1 (0.2) A b	5.9 (0.3) AB b	3.0 (0.2) A b	5.5 (0.2) A b
	14	3.4 (0.2) A b	6.4 (0.2) B b	3.5 (0.2) A b	5.8 (0.3) A b
100 120	8	2.2 (0.1) A a	3.5 (0.1) A a	2.1 (0.1) A a	3.3 (0.1) A a
	10	2.4 (0.1) A a	4.0 (0.2) AB a	2.2 (0.1) A a	3.8 (0.2) AB a
	12	2.4 (0.2) A a	4.2 (0.2) AB a	2.1 (0.1) A a	4.0 (0.1) B a
	14	2.5 (0.1) A a	4.3 (0.2) B a	2.4 (0.1) A a	3.9 (0.2) B a
100 120 150	8	1.9 (0.1) A a	3.8 (0.1) A a	2.0 (0.1) A a	3.5 (0.2) A a
	10	2.4 (0.1) B a	4.2 (0.2) AB a	2.0 (0.1) A a	3.9 (0.2) A a
	12	2.1 (0.1) AB a	4.5 (0.1) B a	2.1 (0.1) A a	3.9 (0.1) A a
	14	2.3 (0.2) AB a	4.5 (0.2) B a	2.2 (0.1) A a	3.6 (0.1) A a

^aMeans of 20 replicates

^bRoughness average measured along the grain

^cRoughness average measured across the grain

^dStandard error of the mean in parentheses

^eMeans within a column followed by the same letter are not significantly different at the 5% probability level (Tukey's test). Uppercase letters are for feed speed comparison, for each sanding program separately. Lowercase letters are for sanding program comparison, for each feed speed separately

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