



# SINTERED PRODUCTS COMPARISON

## ECO ID30ET, ID30EV1412E, LYKE DIAMOND

**TEST EQUIPMENT** *Stihl TS800 Gas Saw,*  
Wet/Dry, 6.5HP, RPM 4700

**TEST WORKPIECES: Concrete**

Dimension 20" x 20" x 1.5"  
 Poured Date 6/7/15  
 Water % 3.90%  
 PSI 4500 psi  
 Number of Rebars 0

**TEST CONDITION**

Value 4000~4200 rpm  
 Total cutting area 200 cuts x 20" x 1.5"  
 = 6000 in<sup>2</sup>  
 = 3.87 m<sup>2</sup>  
 = 38700 cm<sup>2</sup>

**BLADE SPECIFICATION**

	Unit	ID30EV1412E	LYKE Diamond Sintered
Diameter	mm	355.6mm	355 mm
Segment length	mm	49.5 mm	40 mm
Segment thickness	mm	3.2mm	3.2mm
Segment total height	mm	12mm	11.8 mm
Number of segments	#	20	24

**TEST RESULT**

	Unit	ID30EV1412E	LYKE Diamond Sintered
Average weariness of segment	mm	0.463	2.115
Average test speed (RPM or Amp)	RPM	3~4000	3~4000
Total cutting time	min	91.81	109.10
Average time (s) per cut	sec	27.54	32.73
Average life of segment	m <sup>2</sup> /mm	6.70	1.47
Average area per unit time	cm <sup>2</sup> /min	421.52	354.72
Projected square footage	ft <sup>2</sup>	720.70	157.74
Projected linear feet	ft	8639.31	1890.88

