

ENVIROWRAP SOLUTIONS LIMITED

Noise level Record

Envirowrap™ noise performance record. Amber Scaffolding Yard, Ashford Kent 01/10/09

Date	Noise level leg db(a)	Location	Noise source Monitored		
01/10/09	55.9	Bridge centre 1 mile 79 chain	Background		
	92.7	Amber Yard source	Petrol disc cutter		
	83.4	1 m			
	80.5	2 m			
	78.2	3 m			
	76.2	4 m			
	75.7	5 m			
	96.8	encapsulation 500	Petrol disc cutter		
	73.1	1 m			
	69.4	2 m			
	66.5	3 m			
	64.9	4 m			
	64.6	5 m			
	96.4	encapsulation 350	Petrol disc cutter		
	77.1	1 m			
	75.4	2 m			
	73.5	3 m			
	69.5	4 m			
	68.7	5 m			
	96.3	encapsulation 350 +500	Petrol disc cutter		
	73.5	1 m			
	70.6	2 m			
	68.2	3 m			
	65.9	4 m			
	65.1	5 m			

	Source	500	350	350+500
1 m	83.4	73.1	77.1	73.6
2 m	80.5	69.4	75.4	69.5
3 m	78.2	66.5	73.5	67.3
4 m	76.2	65.9	69.5	65.1
5 m	75.7	64.6	68.7	64
Ave db(a)	78.8	67.9	72.84	67.9

The Envirowrap Noise performance was tested using a Petrol Disc cutter as a noise source

The performance of the 500 micron [500AFR-T-AC] gauge material showed an average reduction of 10.9 db(a).

The 350 micron [350AFR-T-AC] material showed an average reduction of 5.6 db(a)

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With the material fitted in a double layer of 350 gauge and 500 gauge showed an average reduction 10.9 db(a)

Source noise at 1m is above the LEAV of 80 db (a) but is below the UEAV of 85 db (a)

The material appeared to perform in a similar way across the measured distance.

Very little was gained by installing 2 layers with an air gap.

Sound Level Meter
TES 1350A TYPE 2
Serial Number
040132465
Last factory calibration
12/06/09
Site Calibrated at 114db

Sound Level Meter
CEL 490 TYPE 1
Serial Number
040132465
Last factory calibration
12/09/09
Site calibrated at 114db

Regards
Gary Browning
BAM Nuttall
Safety and Environment Manager
Rail South

05/11/09