

Determination of Compliance with Reduction Scheme

Instructions: The below data sheet provides an easy-to-use tool to determine whether your installation meets the Reduction Scheme solvent:solids ratio. Please enter the data in the yellow boxes as required. When all your data has been entered the spreadsheet will automatically calculate your solvent balance and allowable solvent under the Reduction Scheme and display the difference. The message at the bottom of the table tells you whether your installation meets the Reduction scheme solvent:solids ratio.

If Extra rows are required for a table then press the appropriate **insert row button found in the top right of the table**

COATINGS USED IN ACTIVITY:		TEREX CE Nov 2009 - Oct 2010								
Ref	Type of Product	Description of Use of Product	VOC g/kg or g/litre of product supplied as specified by supplier	Solids g/kg or g/litre of product supplied as specified by supplier	Litres or kg of product used in 12 month period as supplied	Mass of solids used in kg	Mass of solvent used in kg	Target Emission Factor from Table 4 of Guidance Note	Allowable solvent for product in kg under Reduction Scheme	Solvent balance in kg against allowable solvent under Reduction Scheme
1	045/0268	ACCELERATOR FOR 274/0254	612	297	10	2.97152	6.11848	0.6	1.7829126	-4.3355664
2	045/0380	ACCELERATOR FOR FLOOR PAINT	596	321	85	27.285	50.66	0.6	16.371	-34.289
3	045/2005	HI SOLS EPOXY CURING AGENT	243	721	2620	1889.21	636.471	0.6	1133.525184	497.053824
4	045/7001	ACCELERATOR	507	497	5330	2648.9	2702.42	0.6	1589.34204	-1113.07456
5	062/0226	STANCLERE SOLUTION IN XYLENE	793	88	5	0.44	3.965	0.6	0.264	-3.701
6	180/2096	RAL 1003 F/G ACRYLATED ALKYD ENAMEL	450	550	3.5	1.925	1.575	0.6	1.155	-0.42
7	180/2099	RAL 1013 PEARL WHITE TOUCH UP ENAMEL	473	764	62	47.3662	29.3278	0.6	28.41972864	-0.90805696
8	180/2102	YELLOW RAL 1023 ACRYLATED ALKYD ENM	450	550	3	1.65	1.35	0.6	0.99	-0.36
9	180/2119	RAL 1007 HIGH OPACITY FG QAD ENAMEL	450	550	27.5	15.125	12.375	0.6	9.075	-3.3
10	180/2123	ANDERSON BLUE FG QAD ENAMEL	450	550	9	4.95	4.05	0.6	2.97	-1.08
11	180/2141	RAL 3020 TOUCH UP ENAMEL	450	550	6	3.3	2.7	0.6	1.98	-0.72
12	180/2142	RAL 7039 TOUCH UP ENAMEL	450	550	2	1.1	0.9	0.6	0.66	-0.24

13	180/2144	DULL BLACK 40% GLOSS T/UP ENL	450	550
14	180/2147	WHITE 00 E 55 TOUCH UP ENAMEL	450	550
15	180/2194	RAL 5018 TOUCH UP	450	550
16	180/2214	VERMILLION RAL 2002 A/D ALKYD T/UP	450	550
17	180/2219	GRAPHITE GREY RAL 7024 TOUCH UP	450	550
18	180/2237	STEEL BLUE RAL 5011 T/UP	450	550
19	180/2271	RED RAL 3002 AIR DRY T/UP	450	550
20	180/2280	MAIZE YELLOW RAL 1006 T/UP	450	550
21	180/2294	GENIE GREY USA S/G TOUCH UP	450	550
22	180/2301	ORANGE RAL 2011 AIR DRY T/UP	450	550
23	180/2302	RED RAL 3002 50% GL AIR DRY T/UP	450	550
24	180/2303	WHITE RAL 9002 50% GL AIR DRY T/UP	450	550
25	180/2308	GENIE BLUE 40% GLOSS T/UP	450	550
26	274/0296	BUFF HIGH BUILD 2PK EPOXY PRIMER	519	860
27	274/2003	K5 BUFF HI SOLS 2PK EPOXY PRIMER	267	1471
28	276/1007	YELLOW 08-E-51 JCB 2PK EPOXY FLOOR	318	1155
29	276/1010	BLUE 18-E-53 JCB 2PK EPOXY FLOOR PT	318	1155
30	276/1017	GREY RAL 7037 2PK EPOXY FLOOR PAINT	318	1155
31	497/0008	BLACK S-G (40%/60 D) 2-P P/U FINISH	476	771
32	497/0022	YELLOW RAL 1003 HISOL 2PK P U	409	928
33	497/0099	YELLOW RAL 1023 FG HISOL 2PK PU FIN	410	990
34	497/0145	RAL 1006 MAIZE YELLOW HI SOL 2PK PU	445	986
35	497/0186	SILVER 2 PK POLYURETHANE FINISH	445	719
36	497/0191	RAL 2011 DEEP ORANGE HI SOL 2PK PU	416	801

35	19.25	15.75	0.6	11.55	-4.2
9	4.95	4.05	0.6	2.97	-1.08
2.5	1.375	1.125	0.6	0.825	-0.3
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108.5	59.675	48.825	0.6	35.805	-13.02
1	0.55	0.45	0.6	0.33	-0.12
15.5	8.525	6.975	0.6	5.115	-1.86
1	0.55	0.45	0.6	0.33	-0.12
10	5.5	4.5	0.6	3.3	-1.2
1	0.55	0.45	0.6	0.33	-0.12
1	0.55	0.45	0.6	0.33	-0.12
15	8.25	6.75	0.6	4.95	-1.8
60	51.5718	31.1682	0.6	30.9431052	-0.2250528
9580	14095.9	2554.12	0.6	8457.554318	5903.438182
101.5	117.233	32.277	0.6	70.3395	38.0625
80.5	92.9775	25.599	0.6	55.7865	30.1875
84	97.02	26.712	0.6	58.212	31.5
20	15.4229	9.5171	0.6	9.2537376	-0.2633664
55	51.0554	22.4796	0.6	30.6332103	8.1535608
20	19.8	8.2	0.6	11.88	3.68
10	9.86	4.45	0.6	5.916	1.466
40	28.7555	17.8045	0.6	17.2532736	-0.5512704
25	20.0318	10.3932	0.6	12.019092	1.625912

37	497/0209	WHITE 00 E 55 HI SOL 2PK P FINISH	399	1114
38	497/0216	RAL 5018 HISOL 2PK PU FINISH	410	990
39	497/0500	STEEL BLUE RAL 5011 F/G 2PK PU FIN	415	968
40	497/0549	STRUCTURED PEARL WHITE 2K PU FINISH	422	1059
41	497/0556	STRUCTURED GREY RAL 7024 2K PU FIN	411	926
42	497/0560	STRUCTURED RAL 1007 2K PU FINISH	413	1035
43	497/0639	GENIE/PPG RAL 1023 FG PU FINISH	410	940
44	539/3002	CARMINE RED RAL3002 FG 2K PU FIN	419	785
45	539/3020	RAL 3020 RED 2K FG PU FIN	432	762
46	539/5018	TURQUOISE BLUE RAL5018 FG 2K PU FIN	405	982
47	539/7039	QUARTZ GREY RAL7039 FG 2K PU FIN	405	1013
48	900/0041	RAL 1013 PEARL WHITE F/G AEROSOL	715	85
49	900/0051	RAL 1007 YELLOW F/G AEROSOL	715	85
50	900/0104	GRAPHITE GREY RAL 7024 AEROSOLS	715	85
51	990/0007	GREY PRIMER AEROSOL	715	85
52	Various	Powder Coating	0	1000

160	178.292	63.7881	0.6	106.975152	43.187072
15	14.85	6.15	0.6	8.91	2.76
10	9.68	4.15	0.6	5.808	1.658
3775	3996.85	1593.93	0.6	2398.107029	804.177076
5710	5289.79	2344.48	0.6	3173.87141	829.3870928
1460	1511.14	602.936	0.6	906.6866304	303.7510144
30	28.2	12.3	0.6	16.92	4.62
325	255.125	136.175	0.6	153.075	16.9
90	68.538	38.922	0.6	41.1227928	2.2007808
5	4.90998	2.02502	0.6	2.945988	0.920968
25	25.3255	10.1245	0.6	15.195288	5.070768
12	1.02	8.58	0.6	0.612	-7.968
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12	1.02	8.58	0.6	0.612	-7.968
	28000	0	0.6	16800	16800

OTHER SOLVENTS USED IN ACTIVITY E.G. THINNING/CLEANING :

Ref	Type of Thinning/Cleaning or Other Solvent Used	Specific Gravity from Supplier	Litres used in 12 month period	Mass of other solvent used (kg)
1	400/0090	0.849	75	-63.675
2	046/0085	0.86	560	-481.6

3	046/0309	0.883	275	-242.825
4	046/0373	0.867	10	-8.67
5	Cleaning Solvent	0.85662	14000	-11992.68

SOLVENTS REMOVED FROM THE SITE AS WASTE

Ref	Type of waste	Estimated amount of solvent in waste (g/litre)	Amount of waste removed from site (litres)	Mass of solvent disposed of (kg)
1	Mixed Paint & Solvent Waste IBC's removed by Shank's Waste.	614.86	11000	6763.46

			Total Actual Emission 5168.5905	Total Target Emission 35245.38089	Difference (kg) 18084.11038
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The mix of products, thinners and equipment cleaning solvents used shows the installation meets the Reduction Scheme solvent:solids ratio