

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 JAN 01st 2013 - DEC 31st 2013							
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	062/0226	PU CURE PROMOTER	792	88	10	0.88	7.92	0.6	0.528	-7.392
2	045/2005	HI SOLS EPOXY CURING AGENT	243	721	2460	1773.84	597.603	0.6	1064.302272	466.699392
3	045/7009	HARDENER FOR 2PK POLYURETHANE	502	492	5815	2860.98	2919.13	0.6	1716.588	-1202.542
4	180/2099	RAL 1013 PEARL WHITE TOUCH UP ENAMEL	478	751	45	33.795	21.51	0.6	20.277	-1.233
5	180/2119	RAL 1007 HIGH OPACITY FG QAD ENAMEL	562	599	8	4.792	4.496	0.6	2.8752	-1.6208
6	180/2144	DULL BLACK 40% GLOSS T/UP ENL	454	735	35	25.725	15.89	0.6	15.435	-0.455
7	180/2219	GRAPHITE GREY RAL 7024 TOUCH UP	450	550	45	24.75	20.25	0.6	14.85	-5.4
8	180/2271	RED RAL 3002 AIR DRY T/UP	433	592	5	2.96	2.165	0.6	1.776	-0.389
9	180/2293	GENIE GREY USA S/G TOUCH UP	486	712	10	7.12	4.86	0.6	4.272	-0.588
10	180/2294	GENIE BLUE USA S/G TOUCH UP	478	752	10	7.52	4.78	0.6	4.512	-0.268
11	180/2317	MANITO RED T/UP	433	592	5	2.96	2.165	0.6	1.776	-0.389
12	180/2318	LOXAM RED T/UP	433	592	8	4.736	3.464	0.6	2.8416	-0.6224
13	490/H123	PRIMER LIGHT BUFF K5 BASE COAT	307	1282	30	38.46	9.21	0.6	23.076	13.866
14	539/H143	CONSRUCTION YELLOW 2K PU FINISH	415	819	1695	1388.21	703.425	0.6	832.923	129.498
15	539/H141	FEDERAL YELLOW 13538 2K PU FIN	426	775	10	7.75	4.26	0.6	4.65	0.39
16	274/2003	K5 BUFF HI SOLS 2PK EPOXY PRIMER	266	1447	11600	16785.2	3085.6	0.6	10071.12	6985.52
17	276/1007	YELLOW 08-E-51 JCB 2PK EPOXY FLOOR	714	1654	8	13.232	5.712	0.6	7.9392	2.2272
18	276/1010	BLUE 18-E-53 JCB 2PK EPOXY FLOOR PT	714	1654	1	1.654	0.714	0.6	0.9924	0.2784
19	276/1017	GREY RAL 7037 2PK EPOXY FLOOR PAINT	714	1654	7	11.578	4.998	0.6	6.9468	1.9488
20	429/7024	GRAPHITE GREY RAL7024 ACR T/UP	378	590	45	26.55	17.01	0.6	15.93	-1.08
21	276/1008	WHITE 00E55 FLOOR PAINT	714	1654	1	1.654	0.714	0.6	0.9924	0.2784
22	426/H961	BLACK 40GU ACRYLIC T/UP	454	735	35	25.725	15.89	0.6	15.435	-0.455
23	429/3002	CARMINE RED RAL 3002 AIR DRY T/UP	433	592	5	2.96	2.165	0.6	1.776	-0.389
24	439/H143	CONSTRUCTION YELLOW FG QAD ENAMEL	496	542	23	12.466	11.408	0.6	7.4796	-3.9284
25	539/4007	PURPLE VILOTE RAL 4007 FG PU FIN	425	802	5	4.01	2.125	0.6	2.406	0.281
26	539/H101	FINISH JCB YELLOW 2K PU	404	803	40	32.12	16.16	0.6	19.272	3.112
27	539/9010	RAL 9010 WHITE 2K FG PU FIN	401	1109	15	16.635	6.015	0.6	9.981	3.966
28	497/0520	FINISH BLACK 40% GLOSS PU OEM	436	930	60	55.8	26.16	0.6	33.48	7.32
29	497/0549	STRUCTURED PEARL WHITE 2K PU FINISH	406	1041	4045	4210.85	1642.27	0.6	2526.507	884.237
30	497/0556	STRUCTURED GREY RAL 7024 2K PU FIN	409	926	6655	6165.24	2721.9	0.6	3699.144349	977.2493489
31	497/0560	STRUCTURED RAL 1007 2K PU FINISH	406	1019	165	168.135	66.99	0.6	100.881	33.891
32	497/0621	GREY ALUMINIUM RAL 9007 F/G 2K PU	445	720	2	1.44	0.89	0.6	0.864	-0.026
33	539/1021	RAL 1021 RAPE YELLOW 2K FG PU FIN	450	1050	10	10.5	4.5	0.6	6.3	1.8
34	539/3020	RAL 3020 RED 3K FG PU FIN	432	762	20	15.24	8.64	0.6	9.144	0.504
35	609/3002	STRUCTURED RAL 3002 2K PU FIN	410	882	200	176.4	82	0.6	105.84	23.84
36	539/5018	TURQUOISE BLUE RAL 5018 FG 2K PU FIN	405	982	20	19.64	8.1	0.6	11.784	3.684

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 Cleaning Solvent	0.849	19,550	-16597.95
2	046/0085	0.86	995	-855.7
3	046/0309	0.883	45	-39.735
4	046/0373	0.867	20	-17.34
5	046/0391	0.788	55	-43.34

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	15500	9530.33

Total Actual Emission	Total Target Emission	Difference (kg)
20031.48	20364.89682	290.0779409

The mix of products, thinners and equipment cleaning solvents used shows the installation meets the Reduction Scheme solvent:solids ratio