

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: APRIL 05--MARCH 06											
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	EPOXY HARDENER	045/2005	241	723	4920	3557.16	1185.72	0.56	1992.0096	806.2896	
2	PU HARDENER	045/7001	450	600	10640	6384	4788	0.56	3575.04	-1212.96	
3	PU HARDENER	045/7006	113	1017	225	228.825	25.425	0.56	128.142	102.717	
4	AIR DRYING T/U	180/ LINE	436	713	475	338.675	207.1	0.56	189.658	-17.442	
5	2K EPOXY PRIMER	274/2003	256	1451	600	870.6	153.6	0.56	487.536	333.936	
6	2K EPOXY PRIMER	274/2005	267	1440		0	0	0.56	0	0	
7	2K EPOXY PRIMER	274/2017	266	1440	16675	24012	4435.55	0.56	13446.72	9011.17	
8	2K PU RAL 1013	497/0041	408	952	6075	5783.4	2478.6	0.56	3238.704	760.104	
9	2K PU RAL 7012	497/0042	379	1002	360	360.72	136.44	0.56	202.0032	65.5632	
10	2KPU RAL 1007	497/0085	414	1036	6320	6547.52	2616.48	0.56	3666.6112	1050.1312	

11	2KPU RAL 7016	497/0087		415	945	5295	5003.78	2197.43	0.56	2802.114	604.689
12	2K PU 'APLANT GREEN	497/0093		441	859	640	549.76	282.24	0.56	307.8656	25.6256
13	2K PU ANDERSON BLUE	497/0123		421	798	265	211.47	111.565	0.56	118.4232	6.8582
14	2K PU RAL 9016	497/0176		400	1110	240	266.4	96	0.56	149.184	53.184
15	2K PU BS 00E55	497/0209		400	1110	320	355.2	128	0.56	198.912	70.912
16	2K PU SPECIAL COLOURS	497/ LINE		435	925	1037	959.225	451.095	0.56	537.166	86.071
17	2K PU Graphite Grey	497/0434		421	908	1415	1284.82	595.715	0.56	719.4992	123.7842
18	045/0380			0	0		0	0		0	0
19	2K PU SPECIAL COLOURS			0	0	0	0	0		0	0
20	2K PU PRIMER			0	0	0	0	0		0	0
21	AEROSOL						0	0		0	0

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	Thinners 046/0309	0.883	40	-35.32
2	Thinners 400/0090	0.848	4365	-3701.52
3	Thinners 400/0094	0.806	21935	-17679.61
4	Thinners 046/0085	0.861	85	-73.185

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	25000	15371.5

Total Actual Emission	Total Target Emission	Difference (kg)
35260.455	10269.953	5752.498

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