

**Burbidge & Son Ltd, Awson Street, Coventry**

**Permit No: PPC/045**

**Woodcoating**

**Solvent Management Plan**

**2018 usage**

## 2018 Summary

Burbidge & Son Ltd, Awson Street, Coventry  
Permit No: PPC/045  
Coatings on Wood, Usage 2018

VOC by supplier/ tonnes	Sherwin Williams	31.36
	Intercoat	16.24
	Renner	3.93
<b>Total VOC Input (I<sub>1</sub>)/ tonnes</b>		<b>51.53</b>

<b>Total VOC Output in tin residues (O<sub>6</sub>)/tonnes</b>	<b>0.34</b>
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<b>Total VOC Output to Reclaim (O<sub>8</sub>)/tonnes</b>	<b>18.15</b>
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<b>Nett Consumption VOC (C<sub>1</sub>)/ tonnes</b>	<b>33.04</b>
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Solids by supplier/ tonnes	Sherwin Williams	19.98
	Intercoat	0.01
	Renner	7.21
<b>Total solids/ tonnes</b>		<b>27.20</b>

<b>Ratio VOC : solids</b>	<b>1.21 : 1</b>
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## 1. Objective

To establish a Solvent Management Plan following the Secretary of State's Guidance for Wood Coating PG6/33 (11) revised June 2014. This document particularly refers to the requirements of paragraph 4.12.

## 2. Definitions and Interpretations

The Guidance Note refers to specific Inputs and Outputs of organic solvent. The interpretation of the definitions in relation to Burbidge & Son Ltd is as follows;

Definition Ref	Interpretation
I <sub>1</sub>	The input quantity of VOC will be the sum of all coatings and thinners used in the application process and solvent used for cleaning purposes
I <sub>2</sub>	Organic solvents recovered and reused as solvent input into the process.
O <sub>1</sub>	The emission of VOC from the exhaust stacks in the spray booths, drying ovens and paint kitchens. This is calculated as the difference between the input VOC and the other output VOC.
O <sub>2</sub>	Organic solvent lost in water. Burbidge & Son Ltd do not use a process where solvents are washed in water and therefore this output requirement is not applicable
O <sub>3</sub>	The potential retention of solvent in the coating is a significant problem to the industry. This can lead to coating instability that normally becomes visible as cracks in the lacquer film and also leads to the panels sticking when stacked together and to the imprinting of packaging onto the surface. As these issues are not apparent at Burbidge & Son Ltd then we believe that no solvent is retained in the final product and therefore this output requirement is not applicable.
O <sub>4</sub>	All mixing of the coating components, transfer of coatings and cleaning of application equipment is carried out in extracted areas. This output requirement is therefore not applicable.
O <sub>5</sub>	None of the coatings used at Burbidge & Son Ltd generate emissions from chemical or physical reactions and therefore this output is not applicable.
O <sub>6</sub>	Organic solvents contained in collected waste arise from the residue of coating materials left in the drums. The drums are partially vented then sealed prior to collection.  There are no processes at Burbidge & Son that involve the wiping of excess solvent. There is a very low usage of rags for housekeeping purposes. A proportion of this includes contact with a small quantity of solvent but this is carried out in a spraybooth environment and it is believed that the solvent vapour is removed by the airflow into the spraybooth.

O <sub>7</sub>	All materials mixed are used on site which are sold as commercially valuable product and therefore this output requirement is not applicable.
O <sub>8</sub>	Materials are sent for recovery and resale but are not reused in the process.
O <sub>9</sub>	Organic solvents released in other ways. To the best of our knowledge all solvent releases are accounted for in the above definitions and therefore this output is not applicable.

### 3. Methodology

#### Inputs

##### 3.1 Input I<sub>1</sub>

The input data for materials used in the process is calculated from information supplied by the materials manufacturers.

##### 3.2 Input I<sub>2</sub>

Organic solvents recovered and reused as solvent input into the process, I<sub>2</sub>, are calculated from the capacity of the recycle still and the number of times this is used.

#### Outputs

The known outputs cannot realistically be calculated with this level of accuracy and traceability. In order to estimate the relevant outputs the following methodologies have been used.

3.3 Output O<sub>6</sub> - Organic solvents contained in collected waste arise from the residue of coating materials left in the drums.

The volume of material in a drum varies with the type of material. For a typical full drum the depth of material would be 500mm. The residue therefore is equivalent to 1% of the drum height and therefore volume of coating in the drum. The calculated average coating VOC content can be used to determine the VOC content of the residue then extrapolated to give a total for O<sub>6</sub>. The average coating VOC content of the residue is 65.61%. Therefore the residual VOC equates to 65.61% of the 1% of residue i.e. 0.6561%. The output O<sub>6</sub> is therefore 0.6561% of the materials given in I<sub>1</sub>.

For 2018 = 51,539 \* 1% \* 0.6561 = 338 kg VOC

3.4 Output O<sub>8</sub> - Materials are sent for recovery and resale but are not reused in the process.

The data for solvent materials sent for recovery is calculated from information supplied by the recycling contractor.

### 4. Determination of Annual Solvent Consumption

The VOC content and solids content are available from data supplied by the coating

manufacturer. The VOC or solids content of the total coating used can be determined by multiplying the volume by VOC or solids content as appropriate.

The annual actual consumption of organic solvents (C) is

$$C = I_1 - O_8$$

### **5. Determination of Target Emission**

The Target Emission for a wood coating installation in the 15 tonne or more solvent consumption band is

$$\text{Total Mass of Solids} \times 1.0 \text{ (see Table 6 PG6/33(11))}$$

Compliance with the Reduction Scheme is achieved if the annual actual solvent emission determined by the Solvent Management Plan is less than or equal to the Target Emission.

### **6. Determination of Annual Actual Solvent Emission**

The annual actual solvent emission (para 4.7 PG6/33(11)) is

$$I_1 - O_8 - O_7 - O_6$$

### **7. Solvent Management Plan**

Using the definitions in paragraph 4.12 the input of VOC is

$$I_1$$

The outputs are

$$O_1 + O_6 + O_8 \text{ (other outputs equal zero)}$$

where

$I_1$  = the quantity of organic solvents used in preparations and as thinners is taken from the annual VOC return

$O_1$  = the quantity of organic solvent in exhaust stacks from the spray booths, drying ovens and paint kitchens and is the difference between the input VOC and the other outputs

$O_6$  = organic solvents contained in collected empty drums and is calculated in section 3.3

$O_8$  = organic solvents sent for recovery and re-sale but not re-used on site

## Figures from solvent suppliers and recyclers

1. Renner
2. Sherwin & Williams
3. Intercoat
4. Red Industries

### Renner Ltd

CODE	TOTAL PURCHASES 2018	UM	DESCRIPTION	DENSITY	VOC g/LT	SOLIDS g/LT	VOC TOTAL KG	SOLIDS TOTAL KG
AY---M460	3020	KG	Waterbased cleaner	0.984	192	0	589.2	0
CDA 733	6400	KG	Soft grey WB UV Topcoat	1.122	33	451	188.2	1073
CDA 751	2350	KG	Alabaster WB UV Topcoat	1.122	33	450	69.1	942.5
CDA 752	4050	KG	Putty WB UV Topcoat	1.122	33	451	119.1	1627
DA 374	2575	KG	Seal grey WB UV Topcoat	1.122	33	450	75.7	1032
DS 370	1300	KG	Grey primer PU	1.174	174	516	192.6	571.3
FC---M003	450	LT	PU Hardener	0.933	709	224	341.9	108
DF---M008	750	LT	Thinner for PU	0.836	836	0	627	0
YC---M402	490	KG	Hardener for WB	1.09	218	771	98	346.5
CDS 1230	325	KG	Seal grey PU	1.143	547	429	155	121.9
CDS 1120	940	KG	Soft grey PU	1.311	357	678	255.9	486.1
CDS 1121	350	KG	Alabaster PU	1.311	357	678	95.3	181
CDS 1122	950	KG	Putty PU	1.311	357	678	258	491.3
FC---M021	1037.5	LT		0.94	739	204	867.7	225
Total	24987						3932	7205

<b>Sherwin &amp; Williams</b>	Burbidge & Son Ltd	BUR003										
<b>Report Date(s)</b>	January 2018 to December 2018											
<b>Item</b>	<b>Description</b>	<b>Contents</b>	<b>Uo M</b>	<b>Invoice d</b>	<b>Total Weight or Volume</b>	<b>Uo M</b>	<b>Density Kg/L</b>	<b>VOC g/L</b>	<b>Solids Wt %</b>	<b>Solids g/L</b>	<b>VOC kg</b>	<b>Solids kg</b>
AF7210/00-25	AF7210/00 CLEAR WB 10% 25L	25.00	L	3	175.00	L	1.02	59.00	31.00	316.20	10.33	55.34
AF7210/00-6	AF7210/00 CLEAR WB 10% 6L	6.00	L	1	6.00	L	1.02	59.00	31.80	324.36	0.35	1.95
DM394-0010-20L	DM394-0010 MATT AC TOPCOAT 10% 20L	20.00	L	51	1,060.00	L	0.98	490.00	50.00	490.00	519.40	519.40
DT1146/00-5	DT1146 CLEAR RETARDANT THINNERS 5L	5.00	L	1	5.00	L	0.87	874.00	0.00	0.00	4.37	0.00
DT1150/00-25	DT1150 CLEAR 25L	25.00	L	10	1,575.00	L	0.85	848.00	0.00	0.00	1,335.60	0.00
DT1150/00-25	DT1150 CLEAR 25L	25.00	L	192	6,125.00	L	0.85	848.00	0.00	0.00	5,194.00	0.00
DT2004-P	DT2004 CLEAR 20L	20.00	L	9	180.00	L	0.86	861.15	0.00	0.00	155.01	0.00
DV309-A	DV309 CLEAR CATALYST 25L	25.00	L	9	225.00	L	0.91	675.00	25.00	226.25	151.88	50.91
DX1131/00-25	DX1131 ACETONE THINNER 25L	25.00	L	23	1,925.00	L	0.79	793.00	0.00	0.00	1,526.53	0.00
ZZL0455005	L0455 BLACK TZ9910 5KG	5.00	L	1	5.00	L	1.11	525.15	52.46	579.68	2.63	2.90
ZZL0987005	L0987 OLD WHITE/SAGE TZ9910 5KG	5.00	KG	25	125.00	KG	1.37	460.62	66.25	904.47	42.18	82.82
ZZL0988005	L0988 CREAM TZ9910 5KG	5.00	KG	75	375.00	KG	1.35	460.42	65.95	891.69	127.70	247.32
ZZL1437005	L1437A Cornflower TZ9910 5L	5.00	L	110	550.00	L	1.35	458.68	66.05	892.15	252.27	490.68
ZZL2569500	L2569 OLD WHITE TOUCH UPS 500ML	0.50	L	10	5.00	L	1.19	578.05	51.43	612.28	2.89	3.06
ZZL2607500	L2607 SZ9910 CORNFLOWER 500ML	0.50	L	20	10.00	L	1.20	577.62	51.95	624.44	5.78	6.24
ZZL2609500	L2609 TOUCH UP POTS 500ML	0.50	L	40	20.00	L	1.20	577.62	51.95	624.57	11.55	12.49
ZZL2766005	L2766 OYSTER MATT PU TOPCOAT 5KG	5.00	KG	3	15.00	KG	1.37	460.62	66.25	904.45	5.06	9.94

ZZL2766005	L2766 OYSTER MATT PU TOPCOAT 5KG	5.00	KG	220	1,100.00	KG	1.37	460.6 2	66.25	904.4 5	371.14	728.75
ZZL2931005	L2931 GRAVEL TZ9910 5KG	5.00	KG	140	700.00	KG	1.37	460.6 2	66.26	904.6 2	236.16	463.81
ZZL2975500	L2975 OYSTER TOUCH UP 500ML	0.50	L	50	25.00	L	1.20	577.6 2	51.95	624.6 9	14.44	15.62
ZZL3081005	L3081 HESSIAN TZ9910 5KG	5.00	KG	10	50.00	KG	1.37	460.6 2	66.25	904.3 1	16.87	33.13
ZZL3368005	L3368 SLATE TZ9910 5L	5.00	L	40	200.00	L	1.11	525.1 5	52.47	580.1 0	105.03	116.02
ZZL3369005	L3369 CHALK PU TZ9910 5KG	5.00	KG	85	425.00	KG	1.37	460.6 2	66.25	904.8 2	143.34	281.58
ZZL3370005	L3370 BONE PU TZ9910 5KG	5.00	KG	140	700.00	KG	1.37	460.6 2	66.26	904.3 9	236.22	463.79
ZZL3371005	L3371 PUTTY TZ9910 5KG	5.00	KG	40	200.00	KG	1.37	460.6 2	66.25	904.4 9	67.48	132.51
ZZL3372005	L3372005	5.00	KG	1	5.00	KG	1.37	460.6 2	66.25	904.3 1	1.69	3.31
ZZL3618500	L3618 BONE 500ML	0.50	L	20	10.00	L	1.20	577.6 2	51.94	624.3 2	5.78	6.24
ZZL3619500	L3619 CHALK NC TOUCH UP 500ML	0.50	L	10	5.00	L	1.20	577.6 2	51.95	624.8 3	2.89	3.12
ZZL3620500	L3620 SLATE 500ML	0.50	L	10	5.00	L	0.97	719.9 9	25.02	241.9 4	3.60	1.21
ZZL3623500	L3623 PUTTY NC TOUCH UP 500ML	0.50	L	170	85.00	L	1.19	580.5 7	51.04	605.3 3	49.35	51.45
ZZL3988005	L3988 FRENCH GRAY TZ9910 5L	5.00	L	35	175.00	L	1.36	456.3 2	66.36	900.0 8	79.86	157.51
ZZL4911005	L4911 JUTE PU TOPCOAT TZ9910 5KG	5.00	KG	30	150.00	KG	1.37	460.6 2	66.25	904.8 3	50.59	99.38
ZZL4944005	L4944 SOFT GREY PU TZ9910 5KG	5.00	KG	50	250.00	KG	1.37	460.6 2	66.25	904.7 6	84.33	165.64
ZZL5039005	L5039 CHARCOAL TZ9910 5L	5.00	L	135	675.00	L	1.11	525.1 5	52.47	580.1 8	354.48	391.62
ZZL5232500	L5232 SOFT GREY NC TOUCH UP 500ML	0.50	L	200	100.00	L	1.20	577.6 2	51.94	624.3 8	57.76	62.44
ZZL5233500	L5233 CHARCOAL NC TOUCH UP 500ML	0.50	L	30	15.00	L	0.96	719.9 9	25.02	240.1 9	10.80	3.60
ZZL5290005	L5290 MATT PU DOWN PIPE 5L	5.00	L	55	275.00	L	1.11	525.1 5	52.47	580.0 8	144.42	159.52
ZZL5420005	L5420 HAGUE BLUE TZ9910 5L	5.00	L	1	5.00	L	1.06	504.0 6	52.61	559.5 8	2.52	2.80
ZZL5493005	L5493 CASHMERE PU TOPCOAT	5.00	KG	70	350.00	KG	1.36	457.1 4	66.48	906.3 6	117.35	232.67



ZZL5620005	L5620 MOLES BREATH TZ9910 5L	5.00	L	135	675.00	L	1.11	525.1 5	52.46	579.6 8	354.48	391.29
ZZL5716005	L5716 CEMENT MATT PU TOPCOAT 5KG	5.00	KG	35	175.00	KG	1.37	460.6 2	66.26	904.7 4	59.03	115.95
ZZL5756005	L5756 MUSSEL TZ9910 PU 5KG	5.00	KG	35	175.00	KG	1.37	460.6 2	66.25	904.4 6	59.05	115.94
ZZL5757005	L5757 ALABASTER TZ9910 5KG	5.00	KG	15	75.00	KG	1.37	460.6 2	66.26	904.5 7	25.31	49.69
ZZL5758005	L5758 GOOSEBERRY PU TOPCOAT 5KG	5.00	KG	90	450.00	KG	1.37	460.6 2	66.26	904.7 3	151.80	298.15
ZZL5761005	L5761 LEAD PU TZ9910 5KG	5.00	KG	170	850.00	KG	1.37	460.6 2	66.25	904.5 5	286.77	563.15
ZZL5762005	L5762 CELADON TZ9910 5KG	5.00	KG	3	15.00	KG	1.37	460.6 2	66.25	904.3 1	5.06	9.94
ZZL5847500	L5847 GREY TEAL TOUCH UP SZ9910	0.50	L	20	10.00	L	1.20	577.6 2	51.95	624.7 3	5.78	6.25
ZZL5849500	L5849 MUSSEL TOUCH UP 500ML	0.50	L	10	5.00	L	1.20	577.6 2	51.94	624.3 2	2.89	3.12
ZZL5850500	L5850 500ML ALABASTER	0.50	L	20	10.00	L	1.20	577.6 2	51.94	624.3 2	5.78	6.24
ZZL5851500	L5851 GOOSEBERRY 500ML	0.50	L	20	10.00	L	1.20	577.6 2	51.94	624.3 2	5.78	6.24
ZZL5853500	L5853 TOUCH UP PAINT LEAD	0.50	L	20	10.00	L	1.20	577.6 2	51.95	624.5 3	5.78	6.25
ZZL6161005	L6161 PORCELAIN TZ9910 5KG	5.00	KG	7	35.00	KG	1.37	460.6 2	66.25	904.3 1	11.81	23.19
ZZL6406005	L6406 BURBIDGE LIGHT GREY TZ9910 5KG	5.00	KG	4	20.00	KG	1.36	466.6 4	65.62	890.4 6	6.88	13.12
ZZL6495005	L6495 BLUE GRAY TZ9910 5KG	5.00	KG	80	400.00	KG	1.37	453.9 7	66.91	917.6 3	132.40	267.63
ZZL6537005	L6537 PEWTER TZ9910 5L	5.00	L	25	125.00	L	1.02	476.0 0	53.13	539.2 7	59.50	67.41
ZZL6538005	L6538 OLD NAVY TZ9910 5KG	5.00	KG	155	775.00	KG	1.14	499.8 4	55.99	635.7 7	341.12	433.89
ZZL6574005	L6574 FESCUE 231 TZ9910 5KG	5.00	KG	22	110.00	KG	1.35	460.1 2	65.95	890.9 8	37.46	72.54
ZZL6575500	L6575 FESCUE TOUCH UP	0.50	L	20	10.00	L	1.18	581.0 6	50.95	603.5 7	5.81	6.04
ZZL6598005	L6598 MALMO WHITE TZ9910 5KG	5.00	KG	120	600.00	KG	1.35	460.7 7	65.90	890.3 3	204.64	395.41
ZZL6789500	L6789 SEAL GREY TOUCH UP SZ9910	0.50	L	90	45.00	L	0.96	719.9 9	25.03	240.9 5	32.40	10.84
ZZL6790500	L6790 GRAVEL SZ9910 TOUCH UP	0.50	L	30	15.00	L	1.20	577.6 2	51.95	624.4 0	8.66	9.37

ZZL6791500	L6791 MINK TOUCH UP SZ9910	0.50	L	40	20.00	L	0.97	719.9 9	25.02	242.2 9	14.40	4.85
ZZL6792500	L6792 OLD NAVY TOUCH UP SZ9910	0.50	L	50	25.00	L	0.97	719.9 9	25.03	241.9 3	18.00	6.05
ZZL6794500	L6794 SOFT MOSS SZ9910 TOUCH UP	0.50	L	20	10.00	L	1.20	577.6 2	51.94	624.5 9	5.78	6.25
ZZL6795500	L6795 MATT WHITE TOUCH UP 500ML	0.50	L	20	10.00	L	1.20	577.6 2	51.94	624.3 3	5.78	6.24
ZZL6937005	L6937 INCHYRA BLUE TZ9910 5L	5.00	L	1	5.00	L	1.11	525.1 5	52.47	580.0 9	2.63	2.90
ZZL7156005	L7156 MARINE BLUE TZ9910 5L	5.00	L	10	50.00	L	1.12	497.1 9	55.75	626.3 3	24.86	31.32
ZZL7157005	L7157 TRUE TAUPE TZ9910 5L	5.00	L	25	125.00	L	1.21	497.5 9	58.86	712.0 2	62.20	89.00
ZZL7187005	L7187 POWDER TZ9910 5KG	5.00	KG	5	25.00	KG	1.35	460.0 8	65.96	891.3 2	8.51	16.49
ZZL7189005	L7189 PALE NAVY TZ9910 5L	5.00	L	55	275.00	L	1.17	494.1 3	57.60	671.3 7	135.89	184.63
ZZL7286500	L7286 JUNIPER ASH 500ML	0.50	L	10	5.00	L	1.11	631.0 9	43.13	478.5 0	3.16	2.39
ZZL7397005	L7397 FJORD TZ9910 5L	5.00	L	31	155.00	L	1.21	496.7 6	58.91	712.0 5	77.00	110.37
ZZL7668005	L7668 GRAPHITE GREY TZ9910 5L	5.00	L	1	5.00	L	1.13	492.0 0	56.35	635.0 9	2.46	3.18
ZZL7669005	L7669 PEBBLE GREY TZ9910 5KG	5.00	KG	1	5.00	KG	1.35	457.3 8	66.18	894.8 3	1.69	3.31
ZZL7670005	L7670 GREENE LIVID TZ9910 5L	5.00	L	21	105.00	L	1.19	494.3 6	58.59	699.3 7	51.91	73.43
ZZL7690005	L7690 MATT ANTHRACITE TZ9910 5L	5.00	L	29	145.00	L	1.10	491.5 2	55.36	609.4 8	71.27	88.38
ZZL7749500	L7749 MALMO MATT ANTHRACITE TOUCH UP	0.50	L	10	5.00	L	1.01	665.0 4	34.08	343.7 2	3.33	1.72
ZZL7750500	L7750 FJORD TOUCH UP	0.50	L	10	5.00	L	1.08	671.7 0	37.93	410.3 7	3.36	2.05
ZZL7751500	L7751 LIVID TOUCH UP	0.50	L	10	5.00	L	1.09	661.3 3	39.23	426.8 8	3.31	2.13
ZZL7752500	L7752 FRENCH GRAY TOUCH UP	0.50	L	10	5.00	L	1.20	572.5 1	52.37	629.5 3	2.86	3.15
ZZL7766005	L7766 DOWNPIPE GREY TZ9910 5L	5.00	L	5	25.00	L	1.16	492.5 8	57.45	665.0 2	12.31	16.63
ZZL7846005	L7846 CHARCOAL 15% TZ9910 5L	5.00	L	1	5.00	L	1.08	500.7 4	53.64	579.3 7	2.50	2.90
ZZL7847005	L7847 OBSIDIAN GREEN TZ9910 5KG	5.00	KG	1	5.00	KG	1.05	508.0 5	51.74	544.6 6	2.41	2.59

ZZL7871005	L7871 HAGUE BLUE TZ9905 5L	5.00	L	1	5.00	L	1.07	75.88	17.03	182.52	0.38	0.91
ZZL7872005	L7872 OBSIDIAN GREEN TZ9905 5L	5.00	L	1	5.00	L	1.06	76.29	15.50	164.40	0.38	0.82
BUTACE025	N-BUTYL ACETATE 25L	25.00	L	7	275.00	L	0.88	880.00	0.00	0.00	242.00	0.00
BUTACE025	N-BUTYL ACETATE 25L	25.00	L	20	600.00	L	0.88	880.00	0.00	0.00	528.00	0.00
ZZP366025	P366 MIDBROWN 25L	25.00	L	1	25.00	L	0.85	823.31	3.46	29.51	20.58	0.74
ZZP368020	P368 CHARCOAL MALMO STAIN 20L	20.00	L	1	20.00	L	0.90	825.82	7.71	69.00	16.52	1.38
SU0340/13-20	SU0340/13 PRE CAT WHT PRIMER 20L	20.00	L	18	680.00	L	1.20	639.00	53.28	639.36	434.52	434.76
SU0340/13-20	SU0340/13 PRE CAT WHT PRIMER 20L	20.00	L	45	1,220.00	L	1.20	639.00	53.28	639.36	779.58	780.02
THL3355/00-5	THL3355/00 CLEAR ACRYLIC HARDENER	5.00	L	360	2,420.00	L	0.89	724.74	18.90	168.97	1,753.87	408.90
TH0720/00-12,5	TH720 CLEAR PU HARDENER 12.5L	12.50	L	33	1,587.50	L	0.96	707.00	26.00	248.30	1,122.36	394.18
TH0720/00-12,5	TH720 CLEAR PU HARDENER 12.5L	12.50	L	412	6,325.00	L	0.96	707.00	26.00	248.30	4,471.78	1,570.50
TH0767/00-12,5	TH767 CLEAR PU HARDENER 12.5L	12.50	L	31	387.50	L	0.96	707.00	26.00	248.30	273.96	96.22
TUL3535/13-20	TUL3535/13 WHITE ACRYLI BASECOAT 20L	20.00	L	375	10,040.00	L	1.25	617.87	50.42	628.23	6,203.41	6,307.46
TU6110/00-25	TU6110/00 CLEAR PU 10% 25L	25.00	L	1	25.00	L	0.97	558.00	42.44	411.67	13.95	10.29
TU6110/00-6	TU6110/00 CLEAR PU 10% 6L	6.00	L	4	24.00	L	0.97	558.00	42.44	411.67	13.39	9.88
WM1629-0005-20L	WM1629-0005 DEADMATT WB UV TOP 20L	20.00	L	24	580.00	L	1.05	55.86	36.23	380.78	32.40	220.85
SZ99DA10-10065760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, DARK GRAY	0.50	L	10.00	5.00	L	0.96	699.86	27.35	263.46	3.50	1.32
SZ99DL10-06792760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, DARK BLUE	0.50	L	10.00	10.00	L	1.13	610.23	46.02	520.15	6.10	5.20
SZ99DL10-07286760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, DARK BLUE	0.50	L	5.00	5.00	L	1.14	614.13	45.92	521.56	3.07	2.61
SZ99LA10-05232760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	35.00	35.00	L	1.17	595.38	49.06	573.39	20.84	20.07
SZ99LA10-05845760-0.5KG	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	KG	4	4.67	KG	1.17	595.64	0.00	0.00	2.38	2.59
SZ99LA10-05850760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	15.00	15.00	L	1.21	585.04	51.47	620.43	8.78	9.31

SZ99LA10-05853760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	5.00	5.00	L	1.17	593.16	49.19	574.22	2.97	2.87
SZ99LA10-06575760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	10.00	10.00	L	1.17	596.73	48.88	570.55	5.97	5.71
SZ99LA10-06790760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	5.00	5.00	L	1.17	592.70	49.37	578.08	2.96	2.89
SZ99LA10-10025760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GRAY	0.50	L	5.00	5.00	L	1.19	585.95	50.79	604.86	2.93	3.02
SZ99LC10-02609760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT CLEAR - HIGH GLOSS	0.50	L	10.00	10.00	L	1.17	597.16	48.86	570.46	5.97	5.70
SZ99LG10-05851760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GREEN	0.50	L	5.00	5.00	L	1.17	595.75	49.02	572.78	2.98	2.86
SZ99LG10-06794760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT GREEN	0.50	L	5.00	5.00	L	1.19	586.86	50.63	601.86	2.93	3.01
SZ99LH10-03618760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT BEIGE, BUFF, IVORY	0.50	L	5.00	5.00	L	1.17	597.60	48.78	569.04	2.99	2.85
SZ99LL10-02607760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT BLUE	0.50	L	5.00	5.00	L	1.30	551.49	57.60	749.26	2.76	3.75
SZ99LR10-10106760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, LIGHT RED	0.50	L	5.00	5.00	L	1.17	596.60	48.91	571.04	2.98	2.86
SZ99MA10-05847760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, MEDIUM GRAY	0.50	L	5.00	5.00	L	1.19	581.55	51.27	611.82	2.91	3.06
SZ99MA10-06791760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, MEDIUM GRAY	0.50	L	15.00	15.00	L	1.05	673.10	36.09	380.13	10.10	5.70
SZ99MA10-06793760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, MEDIUM GRAY	0.50	L	5.00	5.00	L	1.17	590.64	49.51	579.26	2.95	2.90
SZ99MA10-07750760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, MEDIUM GRAY	0.50	L	5.00	5.00	L	1.08	667.51	38.15	411.76	3.34	2.06
SZ99MN10-03623760-0.5LT	SZ99 - PIGMENTED NITROCELLULOSE TOPCOATS, MEDIUM BROWN, COPPER, BRONZE	0.50	L	20.00	20.00	L	1.17	596.15	48.98	572.41	11.92	11.45
TH0790/00-1,2	PU HARDENER NON YELLOWING	1.2	KG	35	32.84	KG	0.94	600.52	36.00	337.79	21.02	2.59
TU0055/00-6	ACRYLIC PU BASECOAT NON YELLOWING, CLEAR	6.00	L	12.00	12.00	L	0.96	613.25	36.02	345.28	7.36	4.14
TZ7005/00-6	ACRYLIC PU TOPCOAT NON YELLOWING, TRANSPARENT,5 GLOSS	6.00	L	120.00	120.00	L	0.92	673.51	26.81	246.71	80.82	29.61
TZ99DA10-05039760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, DARK GRAY	5.00	L	325.00	325.00	L	1.07	496.31	53.81	578.15	161.30	187.90
TZ99DL05-07871760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, DARK BLUE	5.00	L	25.00	25.00	L	1.08	488.92	54.62	588.36	12.22	14.71
TZ99DL10-06538760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, DARK BLUE	5	KG	143	161.91	KG	1.13	494.60	0.00	0.00	70.73	2.59
TZ99LA10-02931760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GRAY	5	KG	109	146.22	KG	1.34	456.04	0.00	0.00	49.71	2.59

TZ99LA10-03988760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GRAY	5.00	L	50.00	50.00	L	1.35	455.36	66.16	890.11	22.77	44.51
TZ99LA10-05761760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GRAY	5	KG	204	274.85	KG	1.35	454.37	0.00	0.00	92.69	2.59
TZ99LA10-06574760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GRAY	5	KG	127	173.37	KG	1.37	454.04	0.00	0.00	57.66	2.59
TZ99LA10-07187760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GRAY	5	KG	92	124.80	KG	1.36	455.77	0.00	0.00	41.93	2.59
TZ99LG10-01437760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GREEN	5.00	L	150.00	150.00	L	1.37	451.66	67.00	916.95	67.75	137.54
TZ99LG10-05758760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT GREEN	5	KG	55	75.70	KG	1.38	451.28	0.00	0.00	24.82	2.59
TZ99LH10-00988760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	37	49.62	KG	1.34	459.30	0.00	0.00	16.99	2.59
TZ99LH10-02766760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	147	205.12	KG	1.40	448.34	0.00	0.00	65.91	2.59
TZ99LH10-03370760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	185	247.92	KG	1.34	459.55	0.00	0.00	85.02	2.59
TZ99LH10-05493760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	125	179.94	KG	1.44	438.42	0.00	0.00	54.80	2.59
TZ99LH10-05756760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	73	98.45	KG	1.35	457.21	0.00	0.00	33.38	2.59
TZ99LH10-06161760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BEIGE, BUFF, IVORY	5	KG	18	24.69	KG	1.37	453.10	0.00	0.00	8.16	2.59
TZ99LL10-06495760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT BLUE	5	KG	71	96.03	KG	1.35	453.91	0.00	0.00	32.23	2.59
TZ99LW10-03369760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT WHITE	5	KG	111	148.84	KG	1.34	459.32	0.00	0.00	50.98	2.59
TZ99LW10-06598760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, LIGHT WHITE	5	KG	111	148.74	KG	1.34	459.68	0.00	0.00	51.02	2.59
TZ99MA10-03368760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM GRAY	5.00	L	60.00	60.00	L	1.13	501.04	55.71	630.11	30.06	37.81
TZ99MA10-05620760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM GRAY	5.00	L	200.00	200.00	L	1.21	486.91	59.69	721.06	97.38	144.21
TZ99MA10-05716760-5KG	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM GRAY	5	KG	37	49.89	KG	1.35	448.38	0.00	0.00	16.59	2.59
TZ99MA10-07397760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM GRAY	5.00	L	75.00	75.00	L	1.35	451.06	66.65	901.50	33.83	67.61
TZ99MA10-07670760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM GRAY	5.00	L	75.00	75.00	L	1.16	495.67	57.32	665.58	37.18	49.92
TZ99MH10-07157760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BEIGE, BUFF, IVORY	5.00	L	50.00	50.00	L	1.18	496.06	58.12	688.50	24.80	34.43
TZ99ML10-07156760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BLUE	5.00	L	25.00	25.00	L	1.12	493.34	55.77	622.10	12.33	15.55

TZ99ML10-07189760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BLUE	5.00	L	150.00	150.00	L	1.13	495.39	56.31	638.39	74.31	95.76
TZ99ML10-10007760-25LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BLUE	25.00	L	25.00	25.00	L	1.14	494.30	56.60	644.55	12.36	16.11
TZ99ML10-10007760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BLUE	5.00	L	25.00	25.00	L	1.14	494.30	56.60	644.55	12.36	16.11
TZ99MN10-06537760-5LT	TZ99 - PIGMENTED POLYURETHANE TOPCOAT, MEDIUM BROWN, COPPER, BRONZE	5.00	L	125.00	125.00	L	1.34	454.84	65.99	882.57	56.86	110.32
	<b>Totals</b>				<b>51,635.60</b>						<b>31,363.11</b>	<b>19,979.23</b>



VOC AUDIT FOR BURBIDGE & SON LIMITED  
01/01/18 - 31/12/18

Stock Code	Stock Description	S.G.	Solids (g/l)	VOC (g/l)	Quantity (L)	Mass of	Mass of
			DEFRA 3	(DEFRA 4)	DEFRA 5	Solvent (Kg)	Solids (Kg)
01105/25/CDE	Cleaning Solvent	0.79	0.00	793.00	3,525.00	2,795.32	0.00
01105/5/RDE	Cleaning Solvent	0.79	0.00	793.00	70.00	55.51	0.00
26300/2.5/BRG	Polyurethane Reactor	1.00	309.81	689.59	10.00	6.90	3.10
26340/5/PDE	40% Gloss P/U Lacquer	0.98	401.29	573.90	15.00	8.61	6.02
31608/25/BRG	Standard Thinners	0.85	0.00	839.78	16,350.00	13,730.47	0.00
49035/5/RDE	Oak On Oak Stain	0.86	13.90	846.19	10.00	8.46	0.14
C0007/205/OWB	EMPTY 205 LTR OPEN TOP UN I			0.00	69.00	0.00	
EMPTY/205/OWB	Delivery empty 205L O/top barrel fc			0.00	68.00	0.00	
FORM	Hazardous waste consignment not			0.00	40.00	0.00	
THICK	Collect heavy / thick waste paint slt	1.00	-450.00	-490.00	30,320.00	-14,856.80	-13,644.00
THICK/205/OWB	Deliver empty open drum for waste	0.90	0.00	0.00	16.00	0.00	0.00
<b>Grand Totals</b>					<b>50,493.00</b>	<b>1,748.47</b>	<b>-13,634.74</b>

The Environmental Protection Act - Legislation References PG6/33 and PG6/23

This VOC report is calculated ONLY on products and waste returns ( if applicable) supplied by Intercoat Industrial Paints Ltd.

In order to meet the total VOC emission requirements for a processing site, it is necessary to include the VOC contents of all solvent based materials used and it may be necessary to consider Paint ,Cleaners and Adhesive products etc... not supplied by ourselves.

These can be calculated by contacting other suppliers who may be able to produce a similar VOC report or offer the data for you to calculate yourselves. These results will then need adding to this report's totals.

Red Industries

Reference	CollectionDate	Premises	NoteCode	Collection	Collection	Sequence	EWCCode	WasteStre	PhysicalFo	Quantity	Size	Units	Container
163955	19-Dec-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	PVC Paint	SL	4	205	Litre	Drum
163955	19-Dec-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	2					205	Litre	Drum (C/T
163490	12-Dec-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	PVC Paint	SL	4	205	Litre	Drum
162992	05-Dec-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	PVC Paint	SL	3	205	Litre	Drum
162548	28-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	PVC Paint	SL	3	205	Litre	Drum
162548	28-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	2					205	Litre	Drum (C/T
161935	21-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	PVC Paint	SL	3	205	Litre	Drum
161935	21-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	2					205	Litre	Drum (C/T
161425	14-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	140603	WDD 1543	SL	3	205	Litre	Drum
161425	14-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	2					205	Litre	Drum (C/T
159083	07-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	1	80111	WDD 1543	L	3	205	Litre	Drum
159083	07-Nov-18	BURBRI	BURBRI/Q	Burbridge	CV6 5GJ	2					205	Litre	Drum (C/T
148451	18-Jun-18	BURBID	BURBID/Q	Burbidge	CV5 6BS	1	80111	Waste Pai	L	2	1000	Litre	IBC
148451	18-Jun-18	BURBID	BURBID/Q	Burbidge	CV5 6BS	2					1000	Litre	IBC
										25			
											23 x 205 litres		4715 litres
											2 x 1000 litres		2000 litres
											Total		6715 litres
											0.49 g/l VOC		3,290 kg VOC