

APPENDIX 2

Rubberbond Fleeceback EPDM roofing system information.



STREET VIEW

RUBBERBOND FLEECEBACK EPDM

Unrivalled

RubberBond FleeceBack leaves rivals behind, not only due to the fleece itself, but also due to the unique patented technology used to laminate the EPDM waterproofing to it. This hot melt technology virtually eliminates all shrinkage that adversely affects many single ply systems.

Adhesive Technology

The RubberBond FleeceBack EPDM roofing system incorporates a range of adhesives to overcome virtually any substrate and temperature variation. Perimeter and upstand areas are catered for by using a choice of RubberBond Bonding Adhesives allowing for fast perimeter installation and detailing. The fleece backing and adhesive range gives the contractor and property owner superior wind uplift resistance and bond strength due to the excellent strength achieved between the adhesive and the fleece layer.

The exceptional strength, ageing resistance and waterproofing characteristics of EPDM, with the added tough, reinforcing fleece backing provides the architect, roofing contractor and building owner with an outstanding, unmatched, superior flat roofing system.

The unique fleece backing allows easy installation to a variety of deck surfaces resulting in a system suitable for overlayment of existing surfaces, roof renovation, new projects, domestic roofing or industrial installation.

The fleece backing acts as a cushioning layer, designed for use over minor imperfections, splits or ridges that may have formed in the existing roof system.

The often overlooked benefit of RubberBond FleeceBack is that it doesn't require peel stops or base tie in details that is required by the majority of other single ply systems, including standard EPDM. The purpose of a base tie in is to control the expected 10% shrinkage that occurs with other non-reinforced membranes.

The patented hot melt technology used to laminate the FleeceBack layer to the EPDM sheet eliminates this shrinkage, therefore removing the need and expense of the base tie in detail.

When the installation of correctly installed systems is compared with the upgrade to FleeceBack, a better, stronger product can be fitted for a similar cost to a lesser membrane.

Climate

Unlike most traditional waterproofing membranes, RubberBond FleeceBack™ EPDM is completely resistant to temperature variations, weather and UV radiation. There is no need to protect the RubberBond membrane from sunlight either during construction or after!

The flexibility of RubberBond FleeceBack™ EPDM membrane allows for seamless angle changes. Combining this with the enhanced adhesion characteristics of the membrane's fleece backing, makes upstands of any height, to any surface a possibility. RubberBond Adhesives are suitable for a wide range of substrates making the installation a flame and heat free process. Roof details are waterproofed by either pre-formed accessories or Uncured Pressure Sensitive Tape and RubberBond HP-250 Primer, minimising time and labour needed to complete your flat roof project.

RubberBond® FleeceBack™ EPDM 3.05m Wide Membrane with Factory-Applied Tape (FAT™) and 1.52m Wide Membrane with FAT™

RubberBond FleeceBack EPDM is available with the added benefit of Factory-Applied Tape (FAT™) seam technology. FAT™ has been proven to reduce seaming time by 75%, cutting labour requirements over other seaming methods in the marketplace. FAT™ reduces the risk of seam failure by applying seams in a factory controlled environment and delivering 30% greater peel strength and 32% greater shear strengths than standard seaming methods.

The FAT™ is applied to one edge of the roll, the other edge has a guide line to ensure correct overlap widths and membrane placement. FAT™ improves seaming productivity, completing projects faster, improving ability to get buildings 'in the dry' in less time and minimising business disruption.

Manufactured in two membrane sizes:

1.52m wide by 12.2m long, (18.54m²)

3.05m wide by 15.25m long, (46.51m²)

The 3.05m wide roll is also available in a non FAT™ version and spliced with 75mm PS SecurTAPE.

[Material Safety Data Sheet](#)

[Technical Data Sheet](#)

Find out more about RubberBond FleeceBack EPDM and how it can help you with your next project. [Read more here.](#)

APPENDIX 3

Celotex calculations. (Thermal calculations for this project).

Sheets 1 to 7

Project Information

Reference 47 Bradbourne Vale road-ss

Date 13 December 2018

Client Glenn Ball Project 47 Bradbourne Vale road

Construction Type

Element : Wall - 002 - Timber wall

Timber framed wall

Internal surface emissivity : High External surface emissivity : High

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Pitch (°)	Bridge details Air gaps (Level, Delta U")
Outside surface resistance	-	-	0.130		
weatherboarding	-	-	0.000		
Cavity ventilated space between existing studs	75.0	-	0.000		
Fibreboard (BS5250)	10.0	0.070	0.143		
Breather membrane	-	-	-		
Plywood	12.0	0.170	0.071		
Cavity between studs - low emissivity	15.0	-	0.520		15.000% Timber (15.0mm)
Celotex GA4000 between studs	60.0	0.022	2.727		15.000% Timber (60.0mm)
Celotex PL4015	27.5	-	0.748		
Board joints sealed as VCL + Air Leakage Barrier	-	-	-		
Plaster, skim	3.0	0.220	0.014		
Inside surface resistance	-	-	0.130		

Unless otherwise stated, all calculations are based on the use of Celotex 4000 range products (re-launched on 19 November 2018) which have a lambda value of 0.022 W/mK. For U-value calculations of systems using 3000 range product or any other range of products, please call the Celotex Technical Centre on 01473 820850.

U-value = 0.29W/m²K

U-value, Combined Method : 0.293W/m²K (upper/lower limit 3.672 / 3.147m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc1 0.0000, dUrc2 0.0000)

Correction factors

Air gaps, Delta Ug = 0.000W/m²K

(Based on the combined method for determining U-values of structures containing repeating thermal bridges)

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Vapour Resistivity (MNs/gm)	Vapour Resistance (MNs/g)
Outside surface resistance	-	-	0.130	-	-
weatherboarding	-	-	0.000	-	0.00
Cavity ventilated space between existing studs	75.0	-	0.000	-	0.00
Fibreboard (BS5250)	10.0	0.070	0.143	275.00	2.75
Breather membrane	-	-	-	-	0.50
Plywood	12.0	0.170	0.071	3500.00	42.00
Cavity between studs - low emissivity	15.0	-	0.520	-	0.00
Celotex GA4000 between studs	60.0	0.022	2.727	-	150.00
Celotex PL4015	27.5	-	0.748	-	150.00
Board joints sealed as VCL + Air Leakage Barrier	-	-	-	-	0.00
Plaster, skim	3.0	0.220	0.014	30.00	0.09
Inside surface resistance	-	-	0.130	-	-

This calculation is made in good faith and based upon data supplied to us. Whilst we believe that the information contained herein is true and accurate, we specifically exclude any liability for errors and/or omissions arising therefrom. Details, practices and principles should be verified as accuracy and suitability for the required purpose of use. The provision of this calculation is not to be construed as: (i) offering any advice on compliance with any Building Regulations in any capacity (be it insulation, fire, moisture, structure, sound, electrical safety, safety of combustion appliances); or (ii) an acknowledgement that we approve of any design or construction methods being proposed by the applicant.

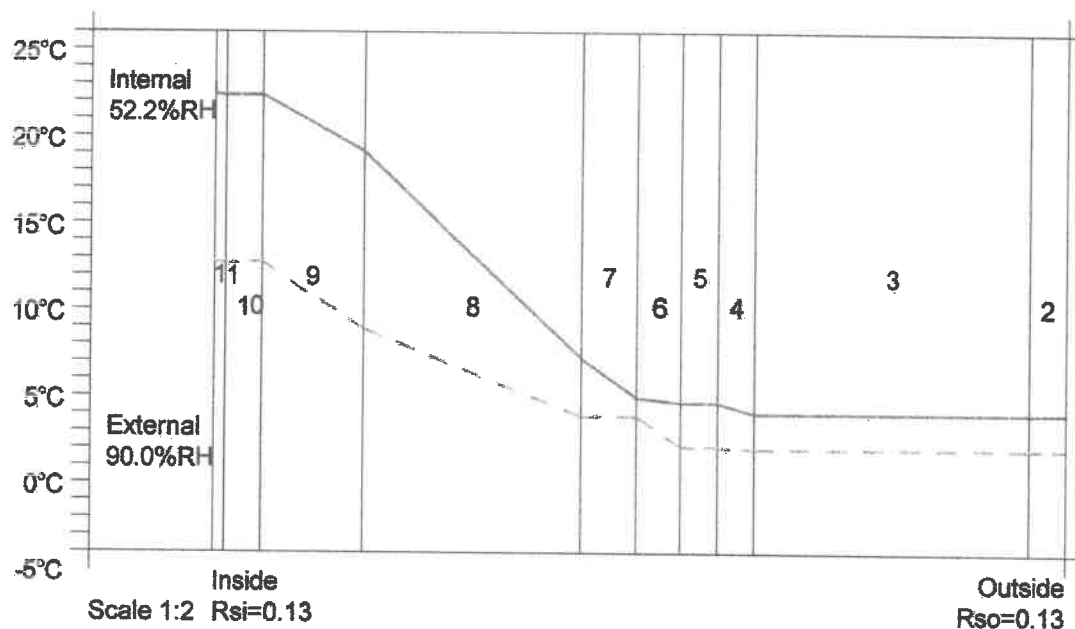
Condensation Risk Analysis (no account taken of thermal bridges)

3 - Dwellings with low occupancy

Jan (worst)	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
22.0C 52.2%	22.0C 51.3%	22.0C 51.5%	22.0C 51.9%	22.0C 55.2%	22.0C 59.2%	22.0C 63.4%	22.0C 63.9%	22.0C 61.3%	22.0C 57.7%	22.0C 53.8%	22.0C 52.8%
2.5C 90.0%	2.8C 86.5%	4.7C 84.0%	7.0C 81.0%	10.3C 81.0%	13.4C 80.0%	15.5C 80.5%	15.1C 82.5%	12.8C 85.5%	9.7C 88.0%	5.4C 89.5%	3.5C 90.5%

	Interface Temp. °C	Dewpoint Temp. °C	Vapour Pressure (kPa)	Saturated V.P. (kPa)	Worst Cond. (g/m²)	Peak Buildup (g/m²)	Condensation
1 Outside surface resistance							
2 weatherboarding	3.1	1.0	0.66	0.76			No
3 Cavity ventilated space between existing studs	3.1	1.0	0.66	0.76			No
4 Fibreboard (BS5250)	3.1	1.0	0.66	0.76			No
5 Breather membrane	3.7	1.1	0.66	0.80			No
6 Plywood	3.7	1.2	0.66	0.80			No
7 Cavity between studs - low emissivity	4.0	2.9	0.75	0.81		0 in Jan	No
8 Celotex GA4000 between studs	6.3	2.9	0.75	0.95			No
9 Celotex PL4015	18.1	7.9	1.07	2.08			No
10 Board joints sealed as VCL + Air Leakage Barrier	21.4	11.8	1.38	2.54			No
11 Plaster, skim	21.4	11.8	1.38	2.54			No
12 Inside surface resistance	21.4	11.8	1.38	2.55			No

Worst case internal / external conditions for graph : 22.0°C @ 52.2%RH / 2.5°C @ 90.0%RH



Project Information

Reference 47 Bradbourne Vale road-ss
 Date 13 December 2018
 Client Glenn Ball Project 47 Bradbourne Vale road

Construction Type

Element : Pitched roof, ceiling at rafter line - 001 - Pitched Roof

Balcony Detail

Internal surface emissivity : High External surface emissivity : High

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Pitch (°)	Bridge details Air gaps (Level, Delta U")
Outside surface resistance	-	-	0.040		
Single Ply Membrane fully adhered	-	-	-		L:0 0.000W/m ² K
Breather membrane	-	-	-		
Plywood	18.0	0.170	0.106		
Celotex XR4000	120.0	0.022	5.455		
VCL as BS6229:2003	-	-	-		
Plywood	18.0	0.170	0.106		
Cavity between rafters	75.0	-	0.160		11.750% Timber (75.0mm)
Wallboard	12.5	-	0.066		
Inside surface resistance	-	-	0.100		

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U-value = 0.18W/m²K

U-value, Combined Method : 0.185W/m²K (upper/lower limit 6.079 / 6.048m²K/W, dUf 0.0200, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc1 0.0000, dUrc2 0.0000)

Correction factors

Mechanical fasteners :-

Alpha : 0.80 per m lambda f : 50.0000W/mK nf : 5.550 per m² Af : 13.200mm² Recess : 0.0mm

Warm Flat Roof - Suretwist Bigtwist

Delta Uf for Celotex XR4000 : 0.0200

nf = fasteners per m² Af = fasteners cross-sectional area

Air gaps, Delta Ug = 0.000W/m²K

(Based on the combined method for determining U-values of structures containing repeating thermal bridges)

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Vapour Resistivity (MNs/gm)	Vapour Resistance (MNs/g)
Outside surface resistance	-	-	0.040	-	-
Single Ply Membrane fully adhered	-	-	-	-	112.50
Breather membrane	-	-	-	-	0.50
Plywood	18.0	0.170	0.106	3500.00	63.00
Celotex XR4000	120.0	0.022	5.455	-	150.00
VCL as BS6229:2003	-	-	-	-	6200.00
Plywood	18.0	0.170	0.106	3500.00	63.00
Cavity between rafters	75.0	-	0.160	-	0.00
Wallboard	12.5	-	0.066	-	0.75
Inside surface resistance	-	-	0.100	-	-

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Project Information

Reference 47 Bradbourne Vale road-ss
 Date 13 December 2018
 Client Glenn Ball Project 47 Bradbourne Vale road

Construction Type

Element : Solid ground floor - 003 - Floor
 Solid ground floor
 Internal surface emissivity : High External surface emissivity : High

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Pitch (°)	Bridge details Air gaps (Level, Delta U")
Inside surface	-	-	0.170		
T+G Chipboard Floating Floor - Glued Joints	18.0	0.143	0.126		
Polythene, 500 gauge separating layer	-	-	-		
Celotex GA4000	50.0	0.022	2.273		
DPM - Polythene, 1200 gauge	-	-	-		
Concrete oversite	-	-	0.000		
Sand Blinded Hardcore	-	-	0.000		
Ground	-	-	0.040		

Ground Floor Details

Floor type : Solid floor
 Calculation method : EN ISO 13370:2007
 Perimeter : 73.50 m Area : 255.75 m²
 P/A : 0.287 Characteristic dimension, B' : 6.959
 Thermal conductivity of ground: : 1.500 W/mK Width of walls, w: : 0.300 m
 Edge insulation position : None

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U-value = 0.21W/m²K

U-value, Combined Method : 0.210W/m²K (upper/lower limit 2.609 / 2.609m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc1 0.0000, dUrc2 0.0000)

Correction factors

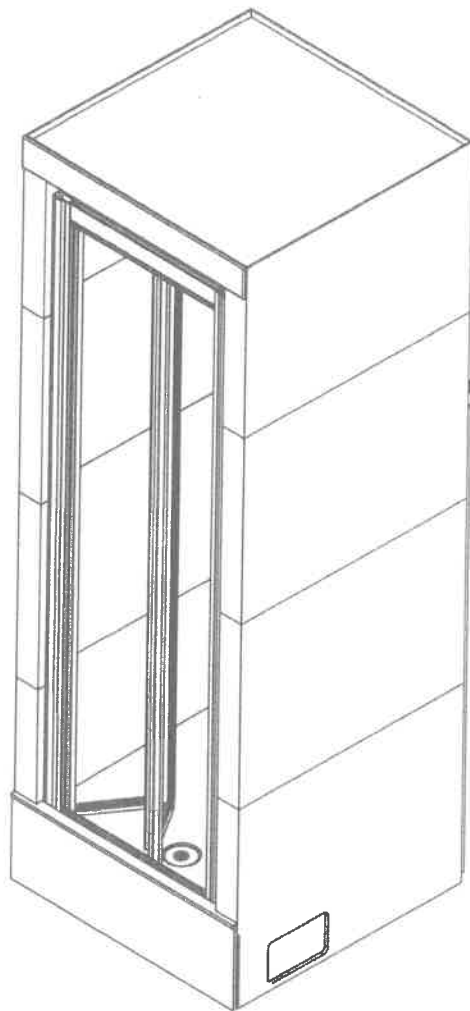
Air gaps, Delta Ug = 0.000W/m²K

APPENDIX 4

Sanitary ware data sheets and shower enclosure details.

Omega shower cubicle

Sectional enclosure



MATERIAL

Polypropylene

WEIGHT

70KG

COLOUR

White, Fleck Grey, Champagne

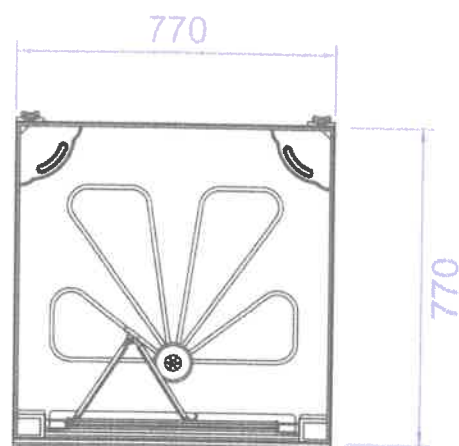
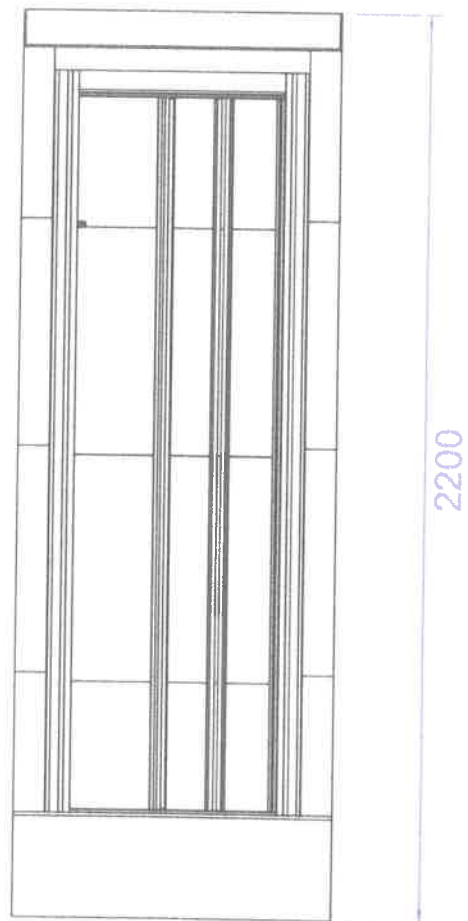
DIMENSIONS (mm)

720(w) x 770(d) x 2200(h)

770(w) x 770(d) x 2200(h)

25 YEAR GUARANTEE

PATENT NO. Available on request



AutoCAD

Taplanes Limited

Station Court
Nidd
Harrogate
North Yorkshire
HG3 3BN

Enquiries

Telephone 01423 771 645
Fax 01423 771 916
Email admin@taplanes.co.uk
www.taplanes.co.uk



Tempo Wall Hung 800mm Vanity Unit With 2 Drawers

ILLUSTRATED

E3242	Tempo Wall Hung 800mm Vanity Unit With 2 Drawers
E0669	Tempo 80cm Vanity furniture washbasin, with overflow one taphole
B0763	Tempo single lever basin mixer

OPTIONS

E3228	Tempo leg set for E3240 / E3242 / E1103 (2pcs)
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ILLUSTRATED PRODUCT DETAILS

Sizes

E0669	w:815 x d:450
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Weights

E3242	23.30 KG
E0669	13.50 KG
B0763	2.42 KG

Materials

E3242	MFC
E0669	Fine Fireclay
B0763	Chrome Plated

Finishes

E3242	 Sandy grey (SG)
E0669	 White (01)
B0763	 Chrome (AA)

Capacity

E0669	5 litres
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Flow rates

B0763	5 Litres per minute @ 3 bar pressure
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Designer

Robin Levien, RDI

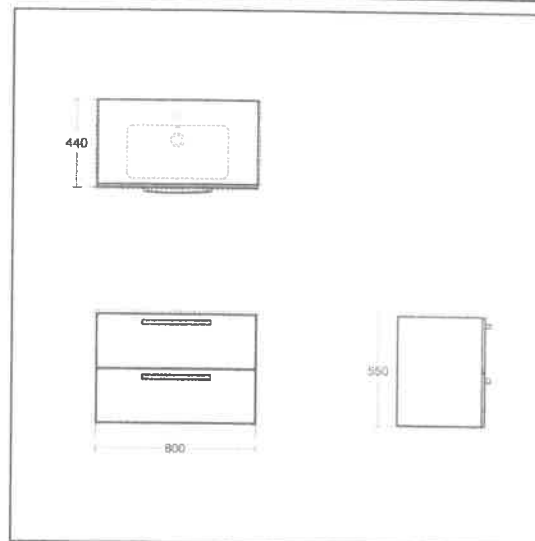
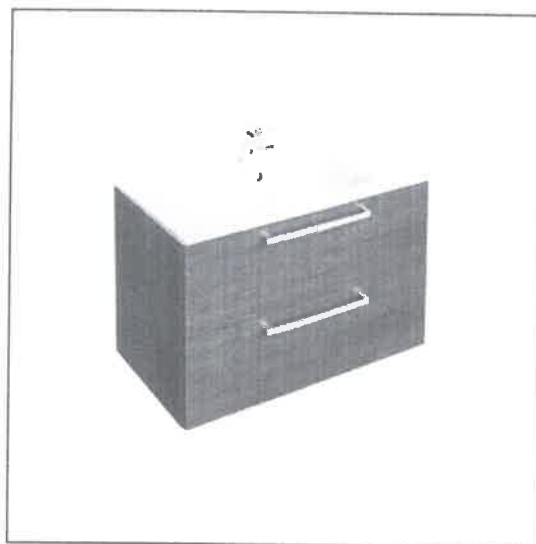
FINISH OPTIONS

 (SG) Sandy grey

 (WG) Gloss White

Special Notes

Optional leg set (2pcs) available - E323767



Tempo 80cm Vanity Washbasin

ILLUSTRATED

- E0669 Tempo 80cm Vanity furniture washbasin, with overflow - one taphole
 B0763 Tempo single lever basin mixer
 E3241 Tempo 800mm vanity unit with 2 doors and legs

ILLUSTRATED PRODUCT DETAILS

Sizes

E0669 w:815 x d:450

Weights

E0669 13.50 KG

B0763 2.42 KG

E3241 23.65 KG

Materials

E0669 Fine Fireclay

B0763 Chrome Plated

E3241 MFC

Finishes

E0669  White (01)

B0763  Chrome (AA)

E3241  Sandy grey (SG)

Capacity

E0669 5 litres

Flow rates

B0763 5 Litres per minute @ 3 bar pressure

Designer

Robin Levien, RDI

FINISH OPTIONS

 (SG) Sandy grey

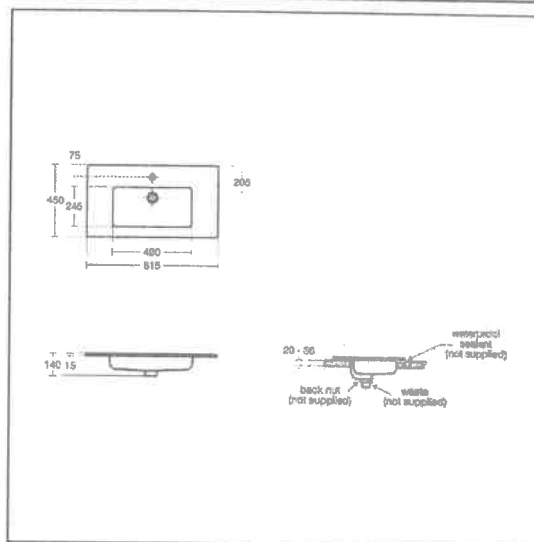
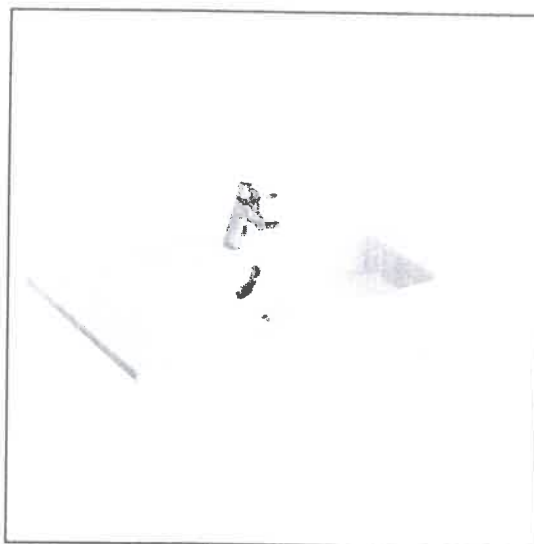
 (WG) Gloss White

Standards

Washbasin to BS EN 14688 & BS EN 31

Special Notes

Washbasin supported on dedicated furniture units.



Doc M Contour 21+ Close Coupled Pack RH

ILLUSTRATED

ILLUSTRATED PRODUCT DETAILS

Weights

S0684 69.65 KG

Finishes

S0684 ☐ White (AC)



Materials

S0684 **Mixed Material**

Capacity

S0684 5 litres

Flow rates

S0684 4 Litres per minute @ 3 bar pressure

FINISH OPTIONS



(AC) White



(L) Blue



(L) Grey



(MY) Stainless Steel
finish



(RN) Charcoal



(GQ) Red

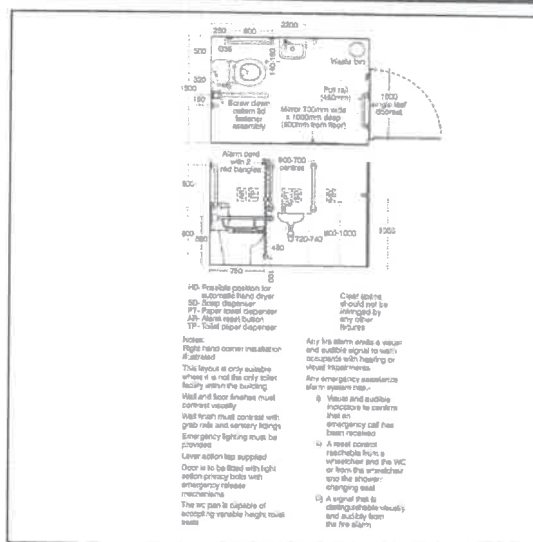
Standards

Vitreous china to BS 3402

BS 8300 compliant

Special Notes

Doc M packs are available both right and left hand corner arrangement, the washbasin in the pack is handed so the tap is positioned closest to the seated user. Supplied with layout drawings, detailing the fixing positions necessary for Doc M compliance



ACCREDITATIONS



FEATURES



Profile 21 Close Coupled WC Pan

ILLUSTRATED

S3092	Profile 21 WC pan close coupled with horizontal outlet
S3094	Profile 21 close coupled cistern 4/2.6 litre dual flush push button valve, bottom supply and internal overflow
S4103	Profile 21 seat and cover

OPTIONS

S3093	Profile 21 close coupled cistern, 6/4 litre dual flush push button valve bottom supply and internal overflow
S4102	Profile 21 seat and cover, slow close
S4305	Panekta outlet Connector, finned pattern to convert horizontal outlet WCs to P trap
S4300	Panekta outlet Connector, finned pattern to convert horizontal outlet WCs to S or turned P trap

ILLUSTRATED PRODUCT DETAILS

Weights

S3092	17.59 KG
S3094	11.90 KG
S4103	2.80 KG

Materials

S3092	Vitreous China
S3094	Vitreous China
S4103	Plastic

Finishes

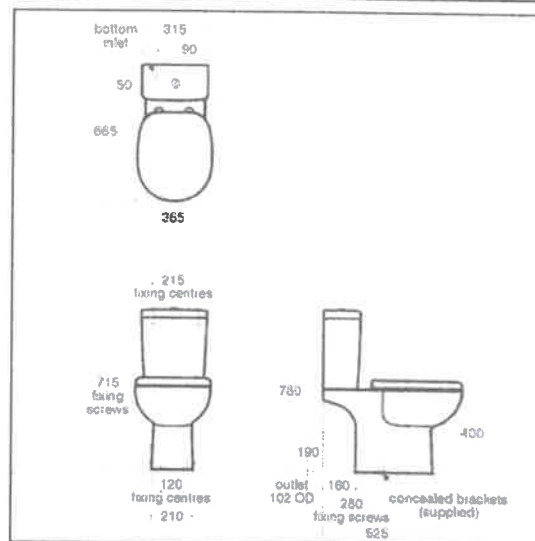
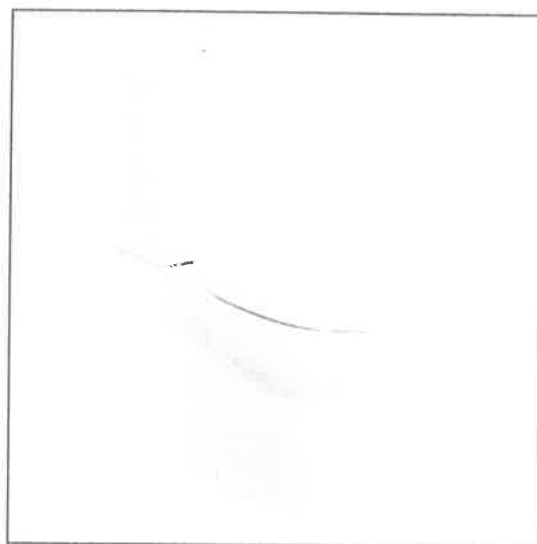
S3092	 White (01)
S3094	 White (01)
S4103	 White (01)

Capacity

S3094	6 litres
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Special Notes

WC screwed to floor & cistern screwed to wall.



ACCREDITATIONS

S3094(01)



S3093(01)



WRAS
APPROVED PRODUCT

Flush Valve
1307005

WRAS
APPROVED PRODUCT

Inlet Valve
NSF171723

FEATURES



APPENDIX 5

Electrical symbols key. For the electrical layouts.

ELECTRICAL KEY:

 13 Amp Double Socket Outlet (High Level) above worktop.

 13 Amp Double Socket Outlet (Low Level)

 Lighting SP 1 Way Switch  Pull cord switch.

 Lighting SP 2 Way Switch  Spotlight

 Recessed LV luminaire  Energy saving light

 Light

 Wall mounted Light

 PUSH PAD. PART M. AUTO DOOR OPENER.

 Spotlights on strip

 Single Radiator.

Double =  LSTC: low surface temp covers.

 Extractor fan controlled by light switch. To B. reqs.

 TV point

 USB. COMPUTER / SOCKET.

 Telephone point

 Flex Outlet below c/top with indicated, switched, fused spur above c/top.

 Fused Connection Unit DP with indicating lamp

 Cooker point

 5 Amp Circuit Outlet

 Shaver Socket / Mirror light outlet with remote switch

 Heated Towel Rail

 Fluorescent Light or LED light.

 Smoke Detector

 Carbon Monoxide Alarm

 Heat Detector

 ALARM CALL POINT.

 Distribution Board

 ALARM SOUNDER.

 Boiler Control

 EMERGENCY LIGHT. WITH BATTERY BACK-UP. WITH AUTOMATIC MAINS RECHARGE.

 Boiler Thermostat

 MOVEMENT SENSOR TO OPERATE THE LIGHTS. SENSOR TO BE CAPABLE OF SETTING FOR AN OVER RUN DEPENDING ON THE SPACE.

 Entry Phone Handset

 Bell Bell/Intercom

 FLOOR SOCKET OUTLET BOX WITH CARPET INSERT. HOUSING 4 No. 13 AMP OUTLETS.

APPENDIX 6

Details of Thorlux LED light fittings

Smart version
LED

Smart version
LED

LED version

LED version

IP20 LAMP VERSION IP40 LAMP VERSION CE T5



SPECIFICATION

- Steel body finished full polyester, non-yellowing white
- 'Satin-Glo' polycarbonate controller provides high angle illuminance
- T5 lamp versions - vibrant appearance louvre with finger print resistant coating
- LED versions - sophisticated micro prism lens
- Excellent optical LG7:2015 design
- Smart versions with intelligent lighting control
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Fitted with 4000K LEDs

LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	67K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.95

LL/CW 151.9

For LED characteristics explanation see www.thorlux.com/led-guide

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

RANGE

SMART

	NOMINAL SIZE (mm)	LAMP	CAT. No.	LENGTH (mm)	APPROX. kg	CIRCUIT
LED Version						
1200		18W LED	JUB 16949	1195	5.1	D:SS
		31W LED	JUB 16950		5.1	D:SS
		14W LED	JUB 19631		6.6	D:SS
1500		21W LED	JUB 16693	1495	6.6	D:SS
		30W LED	JUB 16694		6.6	D:SS
		43W LED	JUB 16695		6.6	D:SS
T5 Lamp Version						
1200		1 x 28W T5	JUB 13083D	1195	4.5	
		2 x 28W T5	JUB 13084D		4.6	
		1 x 35W T5	JUB 13085D		5.5	
1500		2 x 35W T5	JUB 13086D	1495	5.6	
		1 x 49W T5	JUB 13087D		5.5	
		2 x 49W T5	JUB 13088D		5.6	
LED Version						
1200		18W LED	JUB 16951	1195	5.0	L/A
		31W LED	JUB 16952		5.0	L/A
1500		14W LED	JUB 19632	1495	6.5	L/A
		21W LED	JUB 16697		6.5	L/A
		30W LED	JUB 16698		6.5	L/A
		43W LED	JUB 16699		6.5	L/A
T5 Lamp Version						
1200		1 x 28W T5	JUB 13069	1195	4.4	J/T
		2 x 28W T5	JUB 13070		4.5	J/T
		1 x 35W T5	JUB 13073		5.4	J/T
1500		2 x 35W T5	JUB 13074	1495	5.5	J/T
		1 x 49W T5	JUB 13075		5.4	J/T
		2 x 49W T5	JUB 13076		5.5	J/T

STANDARD

CIRCUIT TYPE - suffix catalogue number with:

- D** - Smart / **SS** - SmartScan
- J** - non-dimming (HF fluorescent) /
- L** - non-dimming (LED) /
- T** - dimming (DSI) /
- A** - dimming (DAU)

e.g. JUB 16949SS etc.

EMERGENCY VERSION - prefix catalogue number with:

- EJB** - Emergency
- TJB** - AutoTest
- WJB** - SmartScan (Only available when selecting the 'SS' suffix)

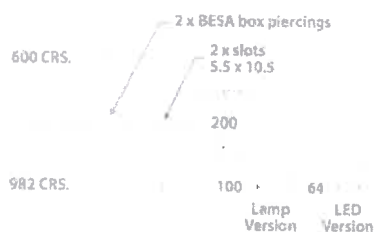
e.g. WJB 16949SS etc.

Lamps must be ordered separately

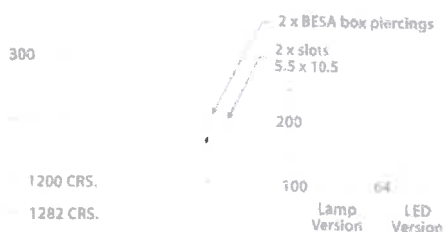


DIMENSIONS

1200 versions

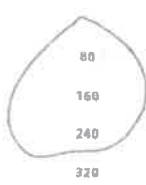
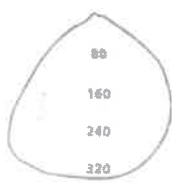
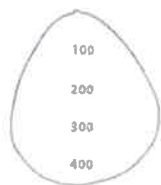


1500 versions



PHOTOMETRIC GUIDE

1200 versions 1500 versions 1500 versions



LED

Luminaire Lumen Output:
 14W = 2635lm
 18W = 3210lm
 21W = 3625lm
 30W = 5105lm
 31W = 5315lm
 43W = 7120lm ●

● Exceeds LG7:2015 3000 cd/m² limit

1 x 28W T5

D.L.O.R. 91% / U.L.O.R. 3%

Factors:
 1 x 35W = 0.91
 1 x 49W = 0.87

2 x 28W T5

D.L.O.R. 74% / U.L.O.R. 3%

Factors:
 2 x 35W = 1.10
 2 x 49W = 1.04

APPENDIX 7

Details of Bikedocksolutions bicycle enclosure and cycle stand.

We're sorry that payments may be
experiencing any issues.

Home / Bike Storage / Bike Shelters & St

BIKE STORAGE

Bike Shelters & Storage

Bike Enclosures & Compounds

Bike Racks

Bike Stands

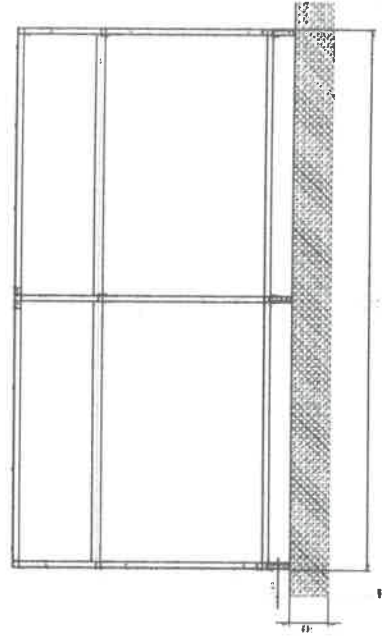
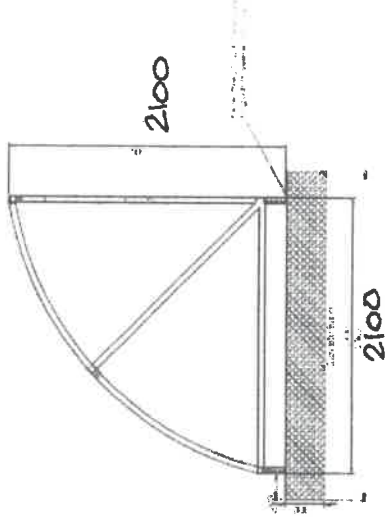
Cycle Lockers

Cycle Accessories

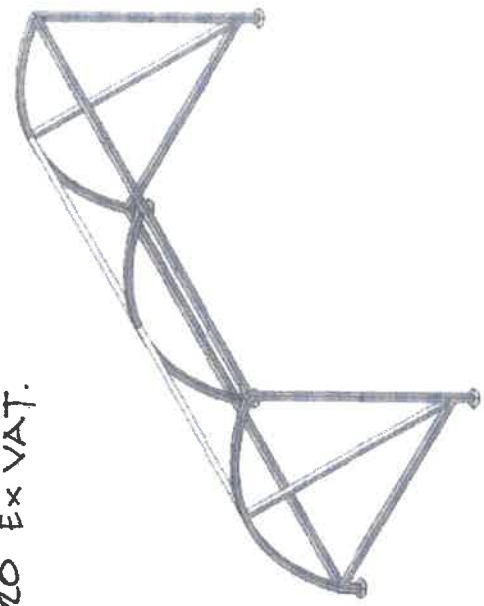
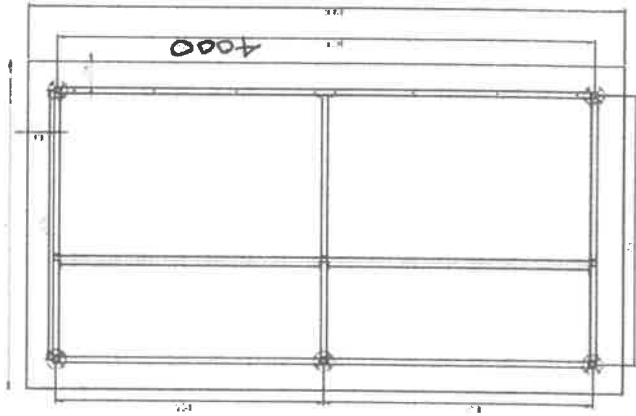
Two Tier Rack

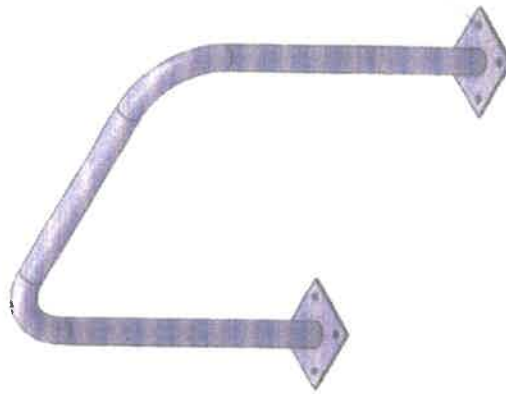
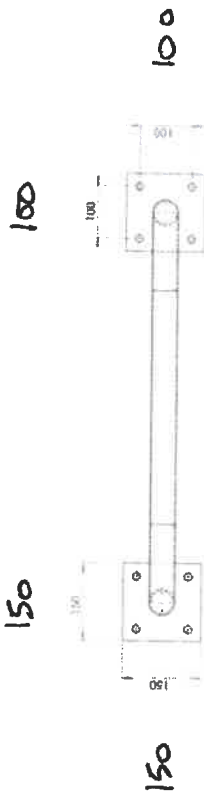
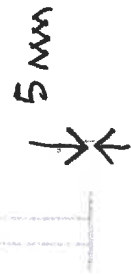
Two Tier Bike Shelters

Technology



£620 Ex VAT.





Single Shaftfield Stand
50mm Steel tubing.
Can be Galvanized and Powder Coated
Secured using M12 Swatch Anchor Bolts into 50mm steel baseplate.

bikedock solutions
bike docking specialists

[illegible]

