



HM Prison &  
Probation Service

DATA SHEET  
**Cotton/Polyester 225 gsm**

| Table 1: Description |                                                |
|----------------------|------------------------------------------------|
| MOJ Product #        | T35600250<br>T35600255                         |
| Construction         | Twill                                          |
| Finish               | Scoured, bleached, fully shrunk, Heatset 160°C |
| Colour               | Pantone shade<br>11-0601 TC – White<br>Black   |
| Product usage        | Catering Jackets & Catering Trousers.          |

| Table 2: Construction |                            |                                                        |
|-----------------------|----------------------------|--------------------------------------------------------|
| Parameter             | Test method                | Requirement                                            |
| Fibre composition     |                            | 60% Cotton 40% Polyester                               |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                                                  |
| Yarn                  | BS ISO 7211-5              | 14's x 12s                                             |
| Threads               | BS EN 1049-2               | Warp: 82 per inch      Weft: 46 per inch               |
| Weight                | BS EN 12127                | 225 g/m <sup>2</sup> +/- 3%                            |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 148cm minimum useable, no minus tolerance. |
| Roll length           | NA                         | 50m                                                    |

| Table 3: Physical tests          |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min                  |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 45N min<br>Weft: 33N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±3% (length and width)                           |
| Abrasion                         | BS EN ISO 12947-2, 9kPa load<br>Physical endpoint: 2 threads broken                                                                 | End point: 26,000 min<br>Col change: Grade 4 min |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry.                                                            | Grade 3-4 min                                    |

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|  |             |  |
|--|-------------|--|
|  | 20,000 revs |  |
|--|-------------|--|

| <b>Table 4: Colour fastness tests</b> |                               |                                                                 |
|---------------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                     |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Water                                 | BS EN ISO 105-E01             | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Rubbing                               | BS EN ISO 105-X12             | Dry 4-5 min<br>Wet 4-5 min                                      |

#### Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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## DATA SHEET Polyester – Cotton 240g

| Table 1: Description        |                                                                                                                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MOJ Product #               | T35600530<br>T35600520<br>T35600524<br>T35600527                                                                                                                                                                                                                                                       |
| Construction                | 3 x1 Twill                                                                                                                                                                                                                                                                                             |
| Finish                      | De-sizing, softening, singeing, non-metameric under L84 & D65A                                                                                                                                                                                                                                         |
| Colour                      | Pantone: Vat disperses dyed<br>T35600530 – 13-0859 TC -Yellow<br>T35600520 – 17-5734 TC – Green<br>T35600524 – 18-0306 TC L, C, H should be no greater than 0.5 each, overall DE not to exceed 0.8.<br>T35600527 – 19-3900 TC L, C, H should be no greater than 0.5 each, overall DE not to exceed 0.8 |
| Product used to manufacture | Work wear trousers, boiler suits and caps                                                                                                                                                                                                                                                              |

| Table 2: Construction |                            |                                                       |
|-----------------------|----------------------------|-------------------------------------------------------|
| Parameter             | Test method                | Requirement                                           |
| Fibre composition     |                            | 65% Polyester 35% Cotton                              |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                                                 |
| Yarn                  | BS ISO 7211-5              | 14 x 14                                               |
| Threads per inch      | BS EN 1049-2               | Warp: 84      Weft: 54                                |
| Weight                | BS EN 12127                | 240 g/m <sup>2</sup> +/- 3%                           |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 150cm minimum useable, no minus tolerance |
| Roll length           | NA                         | 50m                                                   |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width                      |

| Table 3: Physical tests |                   |                                 |
|-------------------------|-------------------|---------------------------------|
| Parameter               | Test method       | Requirement                     |
| Tensile strength        | BS EN ISO 13934-1 | Warp: 250N min<br>Weft 250N min |
| Tear strength           | BS EN ISO 13937-3 | Warp: 35N min<br>Weft: 35N min  |

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|                                  |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±3% (length and width)                           |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry.<br>36,000 revs/10 hours                                    | Grade 4 min                                      |
| Abrasion                         | BS EN ISO 12947-2, 9kPa load<br>Physical endpoint: 2 threads broken                                                                 | End point: 20,000 min<br>Col change: Grade 4 min |

| <b>Table 4: Colour fastness tests</b> |                               |                                                            |
|---------------------------------------|-------------------------------|------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min<br>Staining on cotton and nylon: 4min |
| Perspiration acid & alkali            | BS EN ISO 105 E04             | 4-5 min                                                    |

#### Additional information

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## DATA SHEET Polyester Cotton – 195g

**Table 1: Description**

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| MOJ Product #               | T35600400<br>T35600420                                                        |
| Construction                | 2 x1 Twill                                                                    |
| Finish                      | Scouring, shrunk dyed, and bleached* (*white only)                            |
| Colour                      | T35600400 – White, non-Fluorescent<br>T35600420 – Pantone – 19-4028 TC – Navy |
| Product used to manufacture | Laundry hampers, laundry bags and shorts.                                     |

**Table 2: Construction**

| Parameter         | Test method                | Requirement                                           |
|-------------------|----------------------------|-------------------------------------------------------|
| Fibre composition | BS EN ISO 1833             | Polyester 65% Cotton 35%                              |
| Weave             | ISO 7211-1 / BS 2861       | Woven fabrics                                         |
| Yarn              | BS ISO 7211-5              | 20 x 20                                               |
| Threads per inch  | BS EN 1049-2               | Warp: 108      Weft: 56                               |
| Weight            | BS EN 12127                | 195g/m <sup>2</sup> +/- 3%                            |
| Width             | BS EN 1773 or BS ISO 22198 | Full width: 148cm minimum useable, no minus tolerance |
| Roll length       | NA                         | 50m                                                   |
| Skew              | BS EN ISO 13015            | 3% max at any point across width                      |

**Table 3: Physical tests**

| Parameter                        | Test method                                                                                                                         | Requirement                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±3% (length and width)          |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry.                                                            | Grade 4 min                     |

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|          |                                                                      |                                                  |
|----------|----------------------------------------------------------------------|--------------------------------------------------|
|          | 36,000 revs/10 hours                                                 |                                                  |
| Abrasion | BS EN ISO 12947-2, 9kPa load<br>Physical end-point: 2 threads broken | End point: 20,000 min<br>Col change: Grade 4 min |
| Snagging | BS 8479                                                              | 4-5 min length & width                           |

| Table 4: Colour fastness tests           |                               |                                                                 |
|------------------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                                | Test method                   | Requirement                                                     |
| Light                                    | BS EN ISO 105-B02             | 3-4 min – White NA                                              |
| Washing                                  | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Water                                    | BS EN ISO 105-E01             | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Colourfast to perspiration acid & alkali | BS EN ISO 105 E04 (navy)      | 4-5 min                                                         |

#### Additional information

Fabric must be able to withstand a 70° wash and tumble dry

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## DATA SHEET 100% Cotton Face cloth

| Table 1: Description |                                        |
|----------------------|----------------------------------------|
| MOJ Product #        | <b>T35600050</b>                       |
| Construction         | Terry unheaded                         |
| Finish               | Scoured, shrunk and VAT dyed to shade. |
| Colour               | Pantone shade: White                   |
| Product usage        | Face cloth                             |

| Table 2: Construction |                            |                                                                  |
|-----------------------|----------------------------|------------------------------------------------------------------|
| Parameter             | Test method                | Requirement                                                      |
| Fibre composition     | EU Regulation 1007/2011    | 100% cotton                                                      |
| Weave                 | ISO 7211-1 / BS 2861       | Woven Terry                                                      |
| Yarn counts           | BS ISO 7211-5/BS EN 1049-2 | Warp 10/1rs Weft 16/1rs Pile 16/1 rs                             |
| Weight                | BS EN 12127                | 500 g/m <sup>2</sup>                                             |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 150cm minimum useable. Tolerance no minus tolerance. |
| Roll length           | NA                         | 30m                                                              |

| Table 3: Physical tests          |                                                                                                                                     |                        |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement            |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min         |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 245N min         |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±6% (length and width) |
| Loop extraction                  | EN 15598 Face and back                                                                                                              | Face 0.51N/Back 0.32N  |

| Table 4: Colour fastness tests |                               |                      |
|--------------------------------|-------------------------------|----------------------|
| Parameter                      | Test method                   | Requirement          |
| Washing                        | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min |

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|       |                   |                                                                |
|-------|-------------------|----------------------------------------------------------------|
|       |                   | Staining on cotton and<br>nylon: 4 min                         |
| Water | BS EN ISO 105-E01 | Colour change: 4 min<br>Staining on cotton and<br>nylon: 4 min |

Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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## DATA SHEET Cotton Polyester

**Table 1: Description**

|               |                                    |
|---------------|------------------------------------|
| MOJ Product # | T35600055                          |
| Construction  | Terry panel size 45 x 70cm         |
| Finish        | Scoured, shrunk and VAT yarn dyed. |
| Colour        | Pantone shade: Blue & White check  |
| Product usage | Tea Towel                          |

**Table 2: Construction**

| Parameter         | Test method                | Requirement                            |
|-------------------|----------------------------|----------------------------------------|
| Fibre composition | EU Regulation 1007/2011    | 58% Cotton 15% Polyester               |
| Weave             | ISO 7211-1 / BS 2861       | Woven Terry                            |
| Threads           | BS EN 1049-2               | Warp: 20/2 rs Weft: 12 rs Pile 20/2 rs |
| Weight            | BS EN 12127                | 265gms +/-5%                           |
| Width             | BS EN 1773 or BS ISO 22198 | Full width: minimum useable.           |
| Bale size         | NA                         | 80 per bale                            |

**Table 3: Physical tests**

| Parameter                        | Test method                                                                                                                         | Requirement            |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min         |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min          |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±6% (length and width) |
| Loop extraction                  | EN 15598 Face and back                                                                                                              | 1.3N min               |

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|         |                                                                                             |     |
|---------|---------------------------------------------------------------------------------------------|-----|
| Pilling | BS EN ISO 12945-1 BS EN ISO 6330 70° Wash procedure 7NH, A3 tumble dry, 18,000 revs/5 hours | 3-4 |
|---------|---------------------------------------------------------------------------------------------|-----|

| Table 4: Colour fastness tests |                               |                                                             |
|--------------------------------|-------------------------------|-------------------------------------------------------------|
| Parameter                      | Test method                   | Requirement                                                 |
| Washing                        | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min<br>Staining on cotton and nylon: 4 min |
| Water                          | BS EN ISO 105-E01             | Colour change: 4 min<br>Staining on cotton and nylon: 4 min |
| Bleach Peroxide                | BS EN ISO 105 NO2             | Colour change: 4 min                                        |

#### Additional information

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## DATA SHEET 100% Cotton Towel

| Table 1: Description |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| MOJ Product #        | T35600045                                                                     |
| Construction         | Terry 133cm x 55cm, 6cm plain header and 3cm along the length. Pre-cut panels |
| Finish               | Scoured, shrunk and VAT dyed to shade.                                        |
| Colour               | Pantone shade: 15-4421 TC                                                     |
| Product usage        | Towels                                                                        |

| Table 2: Construction |                            |                                          |
|-----------------------|----------------------------|------------------------------------------|
| Parameter             | Test method                | Requirement                              |
| Fibre composition     | EU Regulation 1007/2011    | 100% cotton                              |
| Weave                 | ISO 7211-1 / BS 2861       | Woven Terry                              |
| Yarn                  | BS ISO 7211-5              | 16/s pile                                |
| Threads               | BS EN 1049-2               | Warp: 10/1 rs Weft: 16/1 rs Pile 16/1 rs |
| Weight                | BS EN 12127                | 360 g/m <sup>2</sup>                     |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 145cm minimum useable.       |
| Bale size             |                            |                                          |

| Table 3: Physical tests          |                                                                                                                  |                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------|
| Parameter                        | Test method                                                                                                      | Requirement            |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                | Warp: 250N min         |
| Tear strength                    | BS EN ISO 13937-3                                                                                                | Warp: 30N min          |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6 | ±6% (length and width) |

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|                 |                        |          |
|-----------------|------------------------|----------|
|                 | No of cycles: 5        |          |
| Loop extraction | EN 15598 Face and back | 1.3N min |

| <b>Table 4: Colour fastness tests</b> |                               |                                                             |
|---------------------------------------|-------------------------------|-------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                 |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min<br>Staining on cotton and nylon: 4 min |
| Water                                 | BS EN ISO 105-E01             | Colour change: 4 min<br>Staining on cotton and nylon: 4 min |

#### Additional information

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## DATA SHEET 100% Nylon PU Coated

| Table 1: Description        |                         |
|-----------------------------|-------------------------|
| MOJ Product #               | T35616305               |
| Construction                | 100% Nylon              |
| Finish                      | PU Coated               |
| Colour                      | Pantone                 |
| Product used to manufacture | Laundry bags – infected |

| Table 2: Construction |                            |                                                        |
|-----------------------|----------------------------|--------------------------------------------------------|
| Parameter             | Test method                | Requirement                                            |
| Fibre composition     | EU Regulation 1007/2011    |                                                        |
| Weave                 | ISO 7211-1 / BS 2861       | Plain                                                  |
| Yarn                  | BS ISO 7211-5              | Warp: 400D    Weft: 500D                               |
| Threads per inch      | BS EN 1049-2               | 76 x 60                                                |
| Weight                | BS EN 12127                | 245 g/m <sup>2</sup> +/- 3%                            |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 150cm minimum useable – no minus tolerance |
| Roll length           |                            | 40m +/- 2m                                             |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width                       |

| Table 3: Physical tests          |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 420N min<br>Weft 350 N min                 |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±3% (length and width)                           |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry<br>36,000 revs/10 hours                                     | Grade 4 min                                      |
| Abrasion                         | BS EN ISO 12947-2, 9kPa load<br>Physical endpoint: 2 threads broken                                                                 | End point: 26,000 min<br>Col change: Grade 4 min |

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| <b>Table 4: Colour fastness tests</b> |                               |                                                               |
|---------------------------------------|-------------------------------|---------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                   |
| Light                                 | BS EN ISO 105-B02             | 3-4 min                                                       |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 3-4 min<br>Staining on cotton and nylon: 3 min |
| Water                                 | BS EN ISO 105-E01             | Colour change: 3-4 min<br>Staining on cotton and nylon: 3 min |
| Rubbing                               | BS EN ISO 105-X12             | Dry 3-4 min<br>Wet 3 min                                      |
| Bleaching<br>(Hypochlorite)           | BS EN ISO 15-N01              | Colour change 3-4 min                                         |
| Bleaching<br>(Peroxide)               | BS EN ISO 15-N02              | Colour change 3-4 min                                         |

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## DATA SHEET Polyester Cotton

**Table 1: Description**

|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| MOJ Product #               | T35600601<br>T35600602                                                    |
| Construction                | Oxford Weave                                                              |
| Finish                      | Heat-set 160°C                                                            |
| Colour                      | Pantone<br>T35600610 – 19-4215TCX – Grey<br>T35600680 – 16-4529TCX – Blue |
| Product used to manufacture | Jackets                                                                   |

**Table 2: Construction**

| Parameter         | Test method                | Requirement                      |
|-------------------|----------------------------|----------------------------------|
| Fibre composition | BS EN ISO 1833             | 100% polyester                   |
| Knit construction | ISO 7211-1 / BS 2861       | Knitted + Woven                  |
| Yarn              | BS ISO 7211-5              | 150D                             |
| Threads per inch  | BS EN 1049-2               | 79*75                            |
| Weight            | BS EN 12127                | 310 g/m <sup>2</sup>             |
| Width             | BS EN 1773 or BS ISO 22198 | 150cm useable                    |
| Roll length       | NA                         | 30m                              |
| Skew              | BS EN ISO 13015            | 3% max at any point across width |

**Table 3: Physical tests**

| Parameter                        | Test method                                                                                                                         | Requirement                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±3% (length and width)          |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry.                                                            | Grade 3-4 min                   |

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|          |                                                                     |                                                  |
|----------|---------------------------------------------------------------------|--------------------------------------------------|
|          | 36,000 revs/10 hours                                                |                                                  |
| Abrasion | BS EN ISO 12947-2, 9kPa load<br>Physical endpoint: 2 threads broken | End point: 20,000 min<br>Col change: Grade 4 min |

| <b>Table 4: Colour fastness tests</b> |                               |                                                                |
|---------------------------------------|-------------------------------|----------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                    |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min<br>Staining on cotton and<br>nylon: 3 min |

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DATA SHEET  
**100% Polyester- waterproof**

**Table 1: Description**

|                             |                             |
|-----------------------------|-----------------------------|
| MOJ Product #               | T35600385                   |
| Construction                | Plain weave                 |
| Finish                      | PU Coating                  |
| Colour                      | Pantone: 19-6026 TC – Green |
| Product used to manufacture | Aprons                      |

**Table 2: Construction**

| Parameter         | Test method                | Requirement                                           |
|-------------------|----------------------------|-------------------------------------------------------|
| Fibre composition |                            | Polyester                                             |
| Weave             | ISO 7211-1 / BS 2861       | Plain                                                 |
| Yarn              | BS ISO 7211-5              | 200Dtex x 200Dtex                                     |
| Threads per inch  | BS EN 1049-2               | Warp: 63      Weft: 48                                |
| Weight            | BS EN 12127                | 250 g/m <sup>2</sup>                                  |
| Width             | BS EN 1773 or BS ISO 22198 | Full width: 180cm minimum useable- no minus tolerance |
| Roll length       |                            | 40m                                                   |
| Skew              | BS EN ISO 13015            | 3% max at any point across width                      |

**Table 3: Physical tests**

| Parameter                        | Test method                                                                                                                         | Requirement                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±3% (length and width)          |

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| Table 4: Colour fastness tests |                   |                                                                    |
|--------------------------------|-------------------|--------------------------------------------------------------------|
| Parameter                      | Test method       | Requirement                                                        |
| Water                          | BS EN ISO 105-E01 | Colour change: 4-5 min<br>Staining on cotton and<br>nylon: 4-5 min |
| Rubbing                        | BS EN ISO 105-X12 | Dry 4-5 min<br>Wet 4-5 min                                         |

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HM Prison &  
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DATA SHEET  
**100% Polyester FR Inherent – Blanket**

| Table 1: Description |                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MOJ Product #        | T35600330<br>T35600350                                                                                                                                    |
| Construction         | 3/3 Leno cellular, 3 Denier 60mm, small hole 2mm x 2mm. Plain strip 20cm wide either side. 6cm plain strip. Red marker yarn positioned at 233cm intervals |
| Finish               | De-size, scour, heat-set 160°C, add softener                                                                                                              |
| Colour               | Pantone shade: 15-1145 TC maize & white                                                                                                                   |
| Product usage        | Blankets                                                                                                                                                  |

| Table 2: Construction |                            |                                                                      |
|-----------------------|----------------------------|----------------------------------------------------------------------|
| Parameter             | Test method                | Requirement                                                          |
| Fibre composition     | BS ISO 7211-5              | Woven                                                                |
| Weave                 | ISO 7211-1 / BS 2861       | 100% Polyester FR Inherent                                           |
| Yarn                  | BS ISO 7211-5              | 6's                                                                  |
| Threads               | BS EN 1049-2               | Warp: plain 5 per inch, mesh 4.3<br>Weft: plain 5 per inch, mesh 4.3 |
| Weight                | BS EN 12127                | Mesh 240g/m <sup>2</sup> Plain 260g/m <sup>2</sup>                   |
| Roll length           |                            | 49M                                                                  |
| Width                 | BS EN 1773 or BS ISO 22198 | 165cm minimum useable – no minus tolerance                           |

| Table 3: Physical tests          |                                                                                                                                     |                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                     |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 49N min<br>Weft: 49N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±5% length<br>±3% width         |
| Flame Retardant                  | BS 5866 part 3, crib 0,1,7                                                                                                          | Pass                            |

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| <b>Table 4: Colour fastness tests</b> |                               |                                                                 |
|---------------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                     |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Rubbing                               | BS EN ISO 105-X12             | Dry 4-5 min<br>Wet 4-5 min                                      |

#### Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester Inherent FR -180g**

| Table 1: Description        |                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| MOJ Product #               | T35600392                                                                                                             |
| Construction                | 3 x1 Twill weave                                                                                                      |
| Finish                      | Stain resistant, water repellent, anti-bacterial, anti-fungal, wipe clean.<br>Coating must be compliant with FR test. |
| Colour                      | Pantone: 18-4020 TC Blue                                                                                              |
| Product used to manufacture | Privacy Curtains                                                                                                      |

| Table 2: Construction |                            |                                    |
|-----------------------|----------------------------|------------------------------------|
| Parameter             | Test method                | Requirement                        |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester FR Inherent         |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                              |
| Yarn                  | BS ISO 7211-5              | Warp 220/1/48 Dtex, Weft 330Dtex   |
| Threads per inch      | BS EN 1049-2               | Warp: 101 continuous Weft: 35 spun |
| Weight                | BS EN 12127                | 180 g/m <sup>2</sup> minimum       |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 116cm minimum useable. |
| Roll length           |                            | 75m                                |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width   |

| Table 3: Physical tests          |                                                                                                                                     |                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                     |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±2% length<br>±1% width         |
| Flame Retardant                  | BS 5867- Part 2 Type C<br>BS EN IOS 12952 Part 1 & 2                                                                                | Pass                            |
| Abrasion                         | BS EN 12947-2 30,000 rubs                                                                                                           | 4-5                             |

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| Table 4: Colour fastness tests |                               |                                                                    |
|--------------------------------|-------------------------------|--------------------------------------------------------------------|
| Parameter                      | Test method                   | Requirement                                                        |
| Light                          | BS EN ISO 105-B02             | 3-4 min                                                            |
| Washing                        | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and<br>nylon: 4-5 min |

#### Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester FR Inherent Dimout**

| Table 1: Description        |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MOJ Product #               | T35600395<br>T35600396<br>T35600397<br>T35600398                                                                                                          |
| Construction                | Plain weave                                                                                                                                               |
| Finish                      | Satin appearance on the face                                                                                                                              |
| Colour                      | Pantone.<br>T35600395 – 193935 TCX - Navy<br>T35600396 – 194056 TCX – Ocean<br>T35600397 – 19-0309 TCX – Forest Green<br>T35600398 – 19-2033 TCX - Claret |
| Product used to manufacture | Cell Curtains                                                                                                                                             |

| Table 2: Construction |                            |                                                         |
|-----------------------|----------------------------|---------------------------------------------------------|
| Parameter             | Test method                | Requirement                                             |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester FR Inherent                              |
| Weave                 | ISO 7211-1 / BS 2861       | Plain                                                   |
| Yarn                  | BS ISO 7211-5              | 360 x 83                                                |
| Threads per inch      | BS EN 1049-2               | Warp: 75DFR Weft: 300D FR                               |
| Weight                | BS EN 12127                | 250 g/m <sup>2</sup> +/- 3%                             |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 150cm minimum useable – no minus tolerance. |
| Roll Length           |                            | 50m                                                     |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width                        |

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| <b>Table 3: Physical tests</b>   |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min                  |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±2% (length and width)                           |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry<br>36,000 revs/10 hours                                     | Grade 4 min                                      |
| Abrasion                         | BS EN ISO 12947-2, 9kPa load<br>Physical end-point: 2 threads broken                                                                | End point: 20,000 min<br>Col change: Grade 4 min |
| Flame Retardant                  | BS 5867 Part 2 Type C                                                                                                               | Pass                                             |

| <b>Table 4: Colour fastness tests</b> |                               |                                                                 |
|---------------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                     |
| Light                                 | BS EN ISO 105-B02             | 3-4 min                                                         |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 3-4 min |
| Water                                 | BS EN ISO 105-E01             | Colour change: 4-5 min<br>Staining on cotton and nylon: 3-4 min |

#### Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester Inherent FR – 290gsm**

| Table 1: Description |                                              |
|----------------------|----------------------------------------------|
| MOJ Product #        | T32600321                                    |
| Construction         | 1 x1 Plain weave                             |
| Finish               | De-size, scour, heat-set 160°C, add softener |
| Colour               | Pantone shades<br>Blue – 19-4030 TCX         |
| Product usage        | Bed Cover                                    |

| Table 2: Construction |                            |                                           |
|-----------------------|----------------------------|-------------------------------------------|
| Parameter             | Test method                | Requirement                               |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester FR Inherent                |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                                     |
| Yarn                  | BS ISO 7211-5              | 10FR x 10FR                               |
| Threads               | BS EN 1049-2               | Warp: 68 per inch Weft: 53 per inch       |
| Weight                | BS EN 12127                | 290 g/m <sup>2</sup> +/- 3%               |
| Width                 | BS EN 1773 or BS ISO 22198 | 148cm minimum useable- no minus tolerance |
| Roll Length           |                            | 40m                                       |

| Table 3: Physical tests          |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 1800N min<br>Weft 1100N min                |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 49N min<br>Weft: 45N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±3% (length and width)                           |
| Abrasion                         | BS EN ISO 12947-2, 12kPa load<br>Physical end-point: 2 threads broken                                                               | End point: 20,000 min<br>Col change: Grade 4 min |

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|                 |                            |      |
|-----------------|----------------------------|------|
| Flame Retardant | BS 5815 part 3, crib 0,1,7 | Pass |
|-----------------|----------------------------|------|

| Table 4: Colour fastness tests |                               |                                                            |
|--------------------------------|-------------------------------|------------------------------------------------------------|
| Parameter                      | Test method                   | Requirement                                                |
| Washing                        | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4 min<br>Staining on cotton and nylon: 4min |
| Water                          | BS EN ISO 105-E01             | Colour change: 4min<br>Staining on cotton and nylon: 4 min |
| Rubbing                        | BS EN ISO 105-X12             | Dry 4 min<br>Wet 4 min                                     |

#### Additional Information

All fabric must be able to withstand a 70° wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester Inherent FR Quilt**

| Table 1: Description        |                                                               |
|-----------------------------|---------------------------------------------------------------|
| MOJ Product #               | T35600390                                                     |
| Construction                | 4 x1 Twill Weave Quilted 3.5cm diagonal box both sides in red |
| Finish                      | Scoured heat set, dyed, Satin finish, plain back              |
| Colour                      | Pantone: 17-1501- TC Grey                                     |
| Product used to manufacture | Blankets                                                      |

| Table 2: Construction |                            |                                  |
|-----------------------|----------------------------|----------------------------------|
| Parameter             | Test method                | Requirement                      |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester FR Inherent       |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                            |
| Yarn                  | BS ISO 7211-5              | 28/1 NM x 10/1 NM                |
| Threads per inch      | BS EN 1049-2               | Warp: 104 Weft: 44               |
| Weight                | BS EN 12127                | 700 g/m <sup>2</sup> minimum     |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 140cm no tolerance   |
| Roll length           |                            | 20m                              |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width |

| Table 3: Physical tests          |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min                  |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±3.5% Length<br>±2% width                        |
| Pilling                          | BS EN ISO 12945-1<br>Tested after w wash BS EN ISO 6330: 7N, tumble dry.<br>20,000 revs/10 hours                                    | Grade 4 min                                      |
| Abrasion                         | BS EN ISO 12947-2, 9kPa load<br>Physical end-point: 2 threads broken                                                                | End point: 26,000 min<br>Col change: Grade 4 min |

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| <b>Table 4: Colour fastness tests</b> |                                      |                                                                 |
|---------------------------------------|--------------------------------------|-----------------------------------------------------------------|
| Parameter                             | Test method                          | Requirement                                                     |
| Washing                               | BS EN ISO 105-C06, D1S (70°C)        | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Rubbing                               | BS EN ISO 105-X12                    | Dry 4-5 min<br>Wet 4-5 min                                      |
| Perspiration                          | Acid and Alkaline BS EN ISO 105 E 01 | 4-5 min                                                         |

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DATA SHEET  
**100% Polyester FR Inherent**

| Table 1: Description |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| MOJ Product #        | T35600301<br>T35600305<br>T35600308                                                                                |
| Construction         | 1 x 1 Plain Weave                                                                                                  |
| Finish               | De-size, scour, heat-set 160°C, add softener                                                                       |
| Colour               | Pantone shade:<br>T35600301 -15-4030 TCX<br>T35600305 – White bleached, non-fluorescent<br>T35600308 – 18-4028 TCX |
| Product usage        | Sheets, Pillowcases & duvet covers                                                                                 |

| Table 2: Construction |                            |                                                                                                                                            |
|-----------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Parameter             | Test method                | Requirement                                                                                                                                |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester FR                                                                                                                          |
| Weave                 | ISO 7211-1 / BS 2861       | Woven                                                                                                                                      |
| Yarn                  | BS ISO 7211-5              | 24FR x 24FR                                                                                                                                |
| Threads               | BS EN 1049-2               | Warp: 76 per inch      Weft: 56 per inch                                                                                                   |
| Weight                | BS EN 12127                | T35600301 145 g/m <sup>2</sup><br>T35600305 145 g/m <sup>2</sup><br>T35600308 145 g/m <sup>2</sup><br>Tolerance +/- 3%                     |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: - no minus tolerance<br>T35600301 148cm minimum useable<br>T35600305 148cm minimum useable.<br>T35600308 170cm minimum useable |
| Roll length           |                            | T35600301 75m<br>T35600305 70m<br>T35600308 75m                                                                                            |

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| <b>Table 3: Physical tests</b>   |                                                                                                                                     |                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                                      |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min                  |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 45N min<br>Weft: 45N min                   |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #6<br>No of cycles: 5 | ±3% (length and width)                           |
| Abrasion                         | BS EN ISO 12947-2, 12kPa load<br>Physical end-point: 2 threads broken                                                               | End point: 20,000 min<br>Col change: Grade 4 min |
| Pilling                          | BS EN ISO 12947-2                                                                                                                   | 3 min                                            |
| Flame Retardant                  | BS 5815 part 3, crib 0,1,7                                                                                                          | Pass                                             |

| <b>Table 4: Colour fastness tests</b> |                               |                                                                 |
|---------------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                             | Test method                   | Requirement                                                     |
| Washing                               | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Water                                 | BS EN ISO 105-E01             | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |

#### Additional information

Fabric must be able to withstand a 70° wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester -110gsm**

**Table 1: Description**

|               |                                                              |
|---------------|--------------------------------------------------------------|
| MOJ Product # | T35600360<br>T35600365                                       |
| Construction  | Oxford weave                                                 |
| Finish        | PU Coating                                                   |
| Colour        | Pantone shade: T35600360 – Black T35600365 – 17-1501 TC Grey |
| Product usage | Discharge bags, padded key pouch & cagoule.                  |

**Table 2: Construction**

| Parameter         | Test method                | Requirement                              |
|-------------------|----------------------------|------------------------------------------|
| Fibre composition | BS ISO 7211-5              | 100% Polyester                           |
| Weave             | ISO 7211-1 / BS 2861       | Oxford weave                             |
| Yarn              | BS ISO 7211-5              | 210D X 210D                              |
| Threads           | BS EN 1049-2               | Warp: 58 per inch      Weft: 53 per inch |
| Weight            | BS EN 12127                | 100% Polyester 110g/m <sup>2</sup>       |
| Width             | BS EN 1773 or BS ISO 22198 | 148cm minimum useable                    |
| Roll length       |                            | 100m                                     |

**Table 3: Physical tests**

| Parameter        | Test method       | Requirement                     |
|------------------|-------------------|---------------------------------|
| Tensile strength | BS EN ISO 13934-1 | Warp: 250N min<br>Weft 250N min |
| Tear strength    | BS EN ISO 13937-3 | Warp: 50N min<br>Weft: 50N min  |
| Showerproof test | BS EN ISO 4920    | Grade 4 (face test)             |

**Table 4: Colour fastness tests**

| Parameter | Test method                   | Requirement                                                     |
|-----------|-------------------------------|-----------------------------------------------------------------|
| Washing   | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |
| Water     | BS EN ISO 105-E01             | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |

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Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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DATA SHEET  
**100% Polyester- waterproof**

| Table 1: Description        |                             |
|-----------------------------|-----------------------------|
| MOJ Product #               | T35600385                   |
| Construction                | Plain weave                 |
| Finish                      | PU Coating                  |
| Colour                      | Pantone: 19-6026 TC – Green |
| Product used to manufacture | Aprons                      |

| Table 2: Construction |                            |                                                         |
|-----------------------|----------------------------|---------------------------------------------------------|
| Parameter             | Test method                | Requirement                                             |
| Fibre composition     |                            | Polyester                                               |
| Weave                 | ISO 7211-1 / BS 2861       | Plain                                                   |
| Yarn                  | BS ISO 7211-5              | 200Dtex x 200Dtex                                       |
| Threads per inch      | BS EN 1049-2               | Warp: 63      Weft: 48                                  |
| Weight                | BS EN 12127                | 250 g/m <sup>2</sup>                                    |
| Width                 | BS EN 1773 or BS ISO 22198 | Full width: 180cm minimum useable. – no minus tolerance |
| Roll length           |                            | 40m                                                     |
| Skew                  | BS EN ISO 13015            | 3% max at any point across width                        |

| Table 3: Physical tests          |                                                                                                                                     |                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Parameter                        | Test method                                                                                                                         | Requirement                     |
| Tensile strength                 | BS EN ISO 13934-1                                                                                                                   | Warp: 250N min<br>Weft 250N min |
| Tear strength                    | BS EN ISO 13937-3                                                                                                                   | Warp: 30N min<br>Weft: 30N min  |
| Dimensional stability to washing | BS EN ISO 5077 & BS EN ISO 6330<br>Wash procedure 7N; Drying procedure: F (Tumble dry)<br>Reference Detergent #3<br>No of cycles: 5 | ±3% (length and width)          |

| Table 4: Colour fastness tests |                   |                                                                 |
|--------------------------------|-------------------|-----------------------------------------------------------------|
| Parameter                      | Test method       | Requirement                                                     |
| Water                          | BS EN ISO 105-E01 | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |

*A certificate of conformity and Test report is required for each Dye Batch.*

*Where appropriate, Safety Data Sheets conforming to the Customer Protection Act must be supplied.*

*The use of substances notified in the EC red list are prohibited.*

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|         |                   |                            |
|---------|-------------------|----------------------------|
| Rubbing | BS EN ISO 105-X12 | Dry 4-5 min<br>Wet 4-5 min |
|---------|-------------------|----------------------------|

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HM Prison &  
Probation Service

## DATA SHEET 100% Polyester Quilted

| Table 1: Description |                                                 |
|----------------------|-------------------------------------------------|
| MOJ Product #        | T35600310                                       |
| Construction         | Oxford weave                                    |
| Finish               | Quilted 5cm diagonal box, in self colour thread |
| Colour               | Pantone shade: 17-1501 TC                       |
| Product usage        | Body warmers                                    |

| Table 2: Construction |                            |                                                                                            |
|-----------------------|----------------------------|--------------------------------------------------------------------------------------------|
| Parameter             | Test method                | Requirement                                                                                |
| Fibre composition     | BS ISO 7211-5              | 100% Polyester                                                                             |
| Weave                 | ISO 7211-1 / BS 2861       | Oxford weave                                                                               |
| Yarn                  | BS ISO 7211-5              | 70Dtex                                                                                     |
| Threads               | BS EN 1049-2               | Warp: 190 per inch      Weft: 190 per inch                                                 |
| Weight                | BS EN 12127                | 100% Polyester 62g/m <sup>2</sup> 100%, Polyester wading 102g/m <sup>2</sup> 1 tog minimum |
| Width                 | BS EN 1773 or BS ISO 22198 | 148cm minimum useable – no minus tolerance                                                 |
| Roll length           |                            | 30m                                                                                        |

| Table 3: Physical tests |                |                     |
|-------------------------|----------------|---------------------|
| Parameter               | Test method    | Requirement         |
| Showerproof test        | BS EN ISO 4920 | Grade 4 (face test) |

| Table 4: Colour fastness tests |                               |                                                                 |
|--------------------------------|-------------------------------|-----------------------------------------------------------------|
| Parameter                      | Test method                   | Requirement                                                     |
| Washing                        | BS EN ISO 105-C06, D1S (70°C) | Colour change: 4-5 min<br>Staining on cotton and nylon: 4-5 min |

### Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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