

Technical File
In accordance with Annex III Of (EU) 2016/425

I. General Information

1. General Information

1.1	Name	Briers Ltd (Smart Garden Products)
1.2	Address	2 Pentagon South, Barton Lane, Abingdon, Oxfordshire, OX14 3PZ

2. Product Information

2.1	Product Description	Vintage Floral Twin Pack
2.2	Product Model No.	B8749
2.3	Product Size	Small
2.4	Brand Name	Briers

3. Brand and Distributor Information (If the model is branded for distributors)

3.1	Brand Name	
3.2	Brand Owner Name	
3.3	Brand Owner Address	
3.4	Product Description	
3.5	Product Model No.	

4. Risks against which the PPE is intended to protect

General gardening, DIY, demolition, bramble cutting, log cutting.

Risk	Assessment Method (Test Method)	Testing to (Level of performance refer to below table)
Abrasion Resistance	EN 388:2003, 6.1	
Blade Cut Resistance	EN 388:2003, 6.2	
Tear Strength	EN 388:2003, 6.4	
Puncture Resistance	EN 388:2003, 6.5	

II. Product Information

1. Parts List

Type	Material	G	% by weight
B8750 Liner			100% Polyester
B8750 Cuff			92% Polyester
B8746 B8750			8% Elastodiene
B8749 B8750			
Coating			100% Nitrile
B8749 Liner			100% Polyester
B8749 Cuff			92% Polyester

2. Product Materials and Photos (Appendix A)

3. Overall Dimensions (Appendix B)

4. Product Marking (Appendix C)

5. Instruction for Use (Appendix D)

6. Relative Standards and Regulation to meet Essential Safety Requirements of the Regulation

Standard	Title
EN420: 2003 + A1:2009	General requirements and test methods
EN388:2003	Protective gloves against mechanical risks

7. Prototype Test Report(s) (Detailed Reports Appendix E)

Section 4 General requirements Clauses from EN 420	Test report number
Glove design and construction – General (4.1)	
Determination of pH value (4.3.2)	
Azo Dyes (PPE Directive)	
Formaldehyde BS EN ISO 17226-1:2008	
Chromium VI BS EN ISO 17075:2007	

Section 5 Comfort and efficiency Clauses from EN 420	Test report number
Sizes and measurements of glove (5.1.2)	
Dexterity (5.2)	Level 5

Clause from EN 388	Test report number
Abrasion resistance (6.1)	
Blade cut resistance (6.2)	
Tear strength (6.4)	
Puncture resistance (6.5)	

III. Manufacture Information

1. Sequence of Manufacture & Quality Control Procedure (Ongoing)

No.	Procedure	Quality Control
1	Raw material control	Supplier should also submit the "Declaration of Innocuousness" of raw materials comply with EN 420 pH, Chromium VI, Azo dyes. The QC will pick up 1 piece per batch for thickness test. Bulk production products will be sent to 3rd party lab to retest part of EN 388:2003 from batch to batch/year to year to ensure performance. Make sure all the goods are in good quality.
2	Cutting	Cutting the raw materials as per the specification, make sure the cutting board is clear to avoid contamination.
3	Stitching	During the stitching, Online QC will pick up 1 sample per batch to test the seam strength in own lab. Change the stitching thread if any failure. Sizing will be checked by own lab. Reject the product if they cannot meet the minimum requirement.
4	Ergonomics	The QC will carry out the fitting test for the final gloves 1 sample per batch. Make sure the size is correct.
4	Labeling	The care label/CE Marking should be stitched at the edge. The label must be visible & legible. Logo on glove is added by a silk screen printing machine. Header cards are added using a plastic pin and suspension gun.
6	Packing	The final glove is packed, the user information is given to each individual package



Type	Material	G	% by weight
B8750 Liner			100% Polyester
B8750 Cuff			92% Polyester
B8746 B8750			8% Elastodiene
B8749 B8750			100% Nitrile
Coating			100% Polyester
B8749 Liner			92% Polyester
B8749 Cuff			92% Polyester

2. Quality Control and Testing (Appendix F)

IV. Declaration

1. Material Declaration (Appendix G)
2. Model EU Declaration of Conformity (Appendix H)

V. Category III Production

If category III PPE copy of Module C2 or D certification (Appendix I) – N/A

Documentation No. Appendix B – Overall Dimensions



Documentation No. Appendix C – Product Marking

	Small size 7	Large Size 9	Tolerance
Overall Length mm	235mm		+/- 5%
Circumference Nominal mm	220mm		+/- 5%

Instructions and Information

The EU declaration of conformity of this product is included in this manual.

- This glove complies with the Personal Protective Equipment Regulation(EU) 2016/425 and meets the requirements of the European standard EN 420:2003+A1:2009 and EN 388:2003
- This glove protects against mechanical risks

Product description

Product Name: Vintage Floral Twin Pack
 Glove Reference: B8749
 Sizes available: 7 (S)

Fig 1. Pictograms and Performance Levels:

Test	Performance level
Abrasion resistance level	
Blade cut level	
Tear resistance level	
Puncture resistance levels	
Cut Resistance	
Impact Protection	
0: indicates that the glove falls below the minimum performance level for the given individual hazard	
X: indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.	
The numbers above indicate the performance level of the gloves 1 = lowest 4 = highest 5 = highest for blade cut resistance	

Note:

1. Not to be used for chemical protection or use where a risk of entanglement by moving parts
2. Protection is only given to the palm
3. This glove does not give protection against electricity.

Use and Care Instruction

- Choose the appropriate glove size, and quality (regular or heavy duty) based upon the application.
- Inspect the glove visually for any physical damage, contamination, excess moisture, dirt, dust, etc. Do not use the glove if it is found to be damaged.
- Wear the glove correctly to cover the full palm and ensure it pulls over and covers the wrist.
- Store the glove properly after using, away from fire, naked flames and electrical elements
- Before re-using the glove, again check for any physical damage, contamination, excess moisture, dirt, dust, etc.
- This glove can be washed.
- The packaging provided with the glove is suitable for the required transport
- Gloves and packaging should be disposed of as per local provisions, taking into account recycling of materials if applicable

EN420: 2003 + A1:2009 Protective gloves - General requirements and test methods.

Dexterity Level of Performance Level X.

For performance details please see Table Fig 01.

In accordance with Personal Protective Equipment Regulation (EU) 2016/425 Annex II

	REQUIREMENT	CONFORMITY
1	General requirements applicable to all PPE	
	PPE must provide adequate protection against the risks against which it is intended to protect	EN 388:2003 Regulation (EU) 2016/425
1.1	Design principles	
11.1	Ergonomics	EN 420:2003 + A1:2009
1.1.2	Levels and classes of protection	EN 388:2003
1.1.2.1	Optimum level of protection possible	EN 388:2003
1.1.2.2	Classes of protection appropriate to different levels of risk	EN 388:2003
1.2	Innocuousness of PPE	
1.2.1	Absence of inherent risk and other nuisance factors	EN 420:2003 + A1:2009
1.2.1.1	Suitable constituent materials	EN 420:2003 + A1:2009
1.2.1.2	Satisfactory surface conditions of all PPE parts in contact with the User	EN 420:2003 + A1:2009
1.2.1.3	Maximum permissible user impediment	EN 420:2003 + A1:2009
1.3	Comfort and effectiveness	
1.3.1	Adaptation of PPE to user morphology	Size 11
1.3.2	Lightness and design strength	EN 420:2003 + A1:2009
1.3.3	Compatibility of different classes or types of PPE designed for simultaneous use	N/A
1.3.4	Protective clothing containing removable protectors	N/A
1.4	Manufacturer’s instructions and information	EN 420:2003 + A1:2009 EN 388:2003

	REQUIREMENT	CONFORMITY
2	Additional Requirements Common to Several Types of PPE	
2.1	PPE incorporating adjustment systems	N/A
2.2	PPE enclosing the parts of the body to be protected	EN 420:2003 + A1:2009
2.3	PPE for the face, eyes and respiratory system	N/A
2.4	PPE subject to ageing	N/A
2.5	PPE which may be caught up during use	N/A
2.6	PPE for use in potentially explosive atmospheres	N/A
2.7	PPE intended for rapid intervention or to be put on or removed rapidly	N/A
2.8	PPE for intervention in very dangerous situations	N/A
2.9	PPE incorporating components which can be adjusted or removed by the user	N/A
2.10	PPE for connection to complementary equipment external to the PPE	N/A
2.11	PPE incorporating a fluid circulating system	N/A
2.12	PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	EN 420:2003 + A1:2009
2.13	PPE capable of signalling the user’s presence visually	N/A
2.14	‘Multi-risk’ PPE	N/A

	REQUIREMENT	CONFORMITY
3	Additional Requirements Specific to Particular Risks	
3.1	Protecting against mechanical impact	
3.1.1	Impact caused by falling or ejected objects and collision of parts of the body with an obstacle	N/A
3.1.2	Falls	N/A
3.1.2.1	Prevention of falls due to slipping	N/A
3.1.2.2	Prevention of falls from a height	N/A
3.1.3	Mechanical vibration	N/A
3.2	Protection against static compression of a part of the body	N/A
3.3	Protection against mechanical injuries (abrasion, perforation cuts, bites)	EN 388:2003
3.4	Protection in liquids	
3.4.1	Prevention of drowning	N/A
3.4.2	Buoyancy aids	N/A
3.5	Protection against the harmful effects of noise	N/A
3.6	Protection against heat and/or fire	
3.6.1	PPE constituent materials and other components	N/A
3.6.2	Complete PPE ready for use	N/A
3.7	Protection against cold	
3.7.1	PPE constituent materials and other components	N/A
3.7.2	Complete PPE ready for use	N/A
3.8	Protection against electric shock	
3.8.1	Insulating equipment	N/A
3.8.2	Conductive equipment	N/A
3.9	Radiation protection	
3.9.1	Non-ionising radiation	N/A
3.9.2	Ionising radiation	
3.9.2.1	Protection against external radioactive contamination	N/A
3.9.2.2	Protection against external irradiation	N/A
3.10	Protection against substances and mixtures which are hazardous to health and against harmful biological agents	
3.10.1	Respiratory protection	N/A
3.10.2	Protection against cutaneous and ocular contact	N/A
3.11	Diving equipment	N/A

Documentation No Appendix F – Quality Control and Testing (Ongoing)

No.	Procedure	Quality Control
1	Raw material control	Supplier should also submit the "Declaration of Innocuousness" of raw materials comply with EN420 pH, Chromium VI, Azo dyes. The QC will pick up 1 piece per batch for thickness test, make sure the leather is 1.2mm and above and can provide the stable level. Bulk production products will be sent to 3rd party lab to retest part of EN388:2016 from batch to batch/year to year to ensure performance. Make sure all the goods are in good quality.
2	Cutting	Cutting the raw materials as per the specification, make sure the cutting board is clear to avoid pollution.
3	Stitching	During the stitching, Online QC will pick up 1 sample per batch to test the seam strength in own lab. Change the stitching thread if any failure. Sizing will be checked by own lab. Reject the product if they cannot meet the minimum requirement.
4	Ergonomics	The QC will carry out the fitting test for the final gloves 1 sample per batch. Make sure the size is correct.
4	Labeling	The care label should be stitched at the edge. The label must be visible & legible
6	Packing	The final glove is packed, the user information is given to each individual package

Testing programme for certified Gloves:

A full clause of EN 388 will be carried out for size 9 every two years to maintain certification. The tests should be carried out by an external independent ISO 17025 accredited test house.

Test/Clause No.	Sample Frequency	Sample Quantity	Test Authority
Abrasion Resistance (EN 388:2003)	1 in 50,000 Pairs	1 pair	Third Party lab
Blade Cut Resistance (EN 388:2003)	1 in 50,000 Pairs	1 pair	Third Party lab
Tear Strength (EN 388:2003)	1 in 50,000 Pairs	1 pair	Third Party lab
Puncture Resistance (EN 388:2003)	1 in 50,000 Pairs	1 pair	Third Party lab

In the event of a failure of above test, 3 pairs of gloves across the size range must be tested and passed. If the samples still fail then production shall cease immediately, corrective action taken until 3 pairs across the size range have been tested satisfactorily.