

Storre® Coldstore & Freezer Wear

User Information

EN342:2017 Protective Clothing - Ensembles and garments for protection against cold

Thermal resistance and air permeability results are based on wearing an ensemble of an upper (jacket/coat) and a lower (trouser/salopettes) garment, or a coverall. **Warning** - it is important that upper and lower body garments are worn together to achieve these ratings and give full protection to the wearer.

EN342:2017



Icler - in $\text{m}^2\text{K/W}$

Underwear - (B) indicates tested with standard underwear

AP - air permeability class

WP - Water penetration (optional) - X indicates not tested

Thermal resistance may decrease after washing.

Protection against cold may also depend on such factors as: other clothing being worn, windchill factors, wearer activity, wearer fitness and nutrition. The wearing of other products, such as gloves, headwear, boots will further protect the user from the cold.

Please refer to the following table for comfortable exposure times at different levels of activity, but bear in mind this will further depend on factors such as additional clothing worn, wearer fitness/nutrition, and wind chill (air velocity). The values are only valid with an even distribution of insulation on the body and with adequate hand-, foot- and head-wear.

| Insulation Icler m².K/W | Wearer moving activity | | | | | | | |
|----------------------------|------------------------|-----|---------|-----|-----------------|-----|---------|-----|
| | light 115 W/m² | | | | medium 170 W/m² | | | |
| | Air velocity | | | | | | | |
| | 0.4 m/s | | 3.0 m/s | | 0.4m/s | | 3.0 m/s | |
| | 8h | 1h | 8h | 1h | 8h | 1h | 8h | 1h |
| 0.265 | 3 | -12 | 9 | -3 | -12 | -28 | -2 | -16 |
| 0.310 | -2 | -18 | 6 | -8 | -18 | -36 | -7 | -22 |
| 0.390 | -9 | -28 | 0 | -16 | -29 | -49 | -16 | -33 |
| 0.470 | -17 | -38 | -6 | -24 | -40 | -60 | -24 | -43 |
| 0.540 | -24 | -45 | -11 | -30 | -49 | -71 | -32 | -52 |
| 0.620 | -31 | -55 | -17 | -38 | -60 | -84 | -40 | -61 |



This garment complies with the requirements of EU Regulation 2016/425 as brought in UK law and amended, and the above standard - for details of conformance please visit: <http://www.goldfreeze.com/company/quality-systems/>

| Goldfreeze: results for ensembles: | | | |
|------------------------------------|------------------------------------|--------------------------------------|------------------------------|
| Ensemble | Upper garment | Lower Garment | Icler $\text{m}^2\text{K/W}$ |
| 1 | 3908230 Storre 25 Coldstore Jacket | 3928230 Storre 25 Coldstore Trousers | 0.349 |
| 2 | 3908340 Storre 40 Freezer Jacket | 3928340 Storre 40 Freezer Trousers | 0.350 |
| 5 | 3948340 Storre 40 Long Coat | 3928340 Storre 40 Freezer Trousers | 0.350 |
| 6 | 3958340 Storre 40 Freezer Coverall | | 0.377 |

Improper use

Dirty clothing may lead to a reduction in protection and if at any time this garment is un-recoverably damaged, soiled or contaminated, it should be replaced immediately. Dispose of this garment appropriately at the end of its life - textiles may be recycled.

This garment should be worn fastened at all times to provide the correct level of protection as stated above.

Storage: Do not store in direct sunlight. If the garment becomes damp or wet, allow to dry fully at room temperature before storing.

Warning:

Although these garments incorporate silver retroreflective tape, they are not certified to EN 17353:2020 Enhanced Visibility Clothing, and are not intended to provide enhanced visibility.

Aftercare

Max. 5x wash cycles.

Do not use biological wash powders.

Hand wash or machine wash 40°C reduced cycle.

Do not wring.

Do not use bleach.

Do not iron.

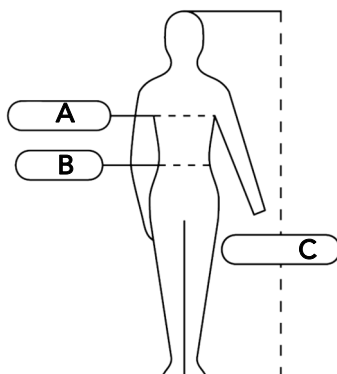
Do not dry clean.

Tumble dry at reduced setting.

No liability will be accepted for garments where care labels have been ignored, defaced or removed.

The stated maximum number of wash cycles is not the only factor relating to the lifetime of the garment.

The lifetime of the garment will also be dependent on usage, care and storage.

**Available sizes and selection**

We offer our Storre® Coldstore & Freezer Wear in sizes S - XXL (XS, 3XL & 4XL available in selected styles - check our catalogue or website for further information.

Fit is according to the following size chart: All sizes in cms.

| Size | | XS | S | M | L | XL | XXL | 3XL | 4XL |
|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| A | Chest | 80-88 | 88-96 | 96-104 | 104-112 | 112-120 | 120-128 | 128-136 | 136-144 |
| B | Waist | 68-76 | 76-84 | 84-92 | 92-104 | 104-112 | 112-124 | 124-132 | 132-140 |
| C | Height | 164-176 | 170-176 | 176-182 | 182-188 | 182-188 | 182-194 | 182-194 | 182-194 |

For further information please**contact:**

Goldfreeze Ltd
23 Sleaford Business Park
East Road
Sleaford
NG34 7EQ UK
P: +44 (0)845 643 4753
E: sales@goldfreeze.co.uk
W: www.goldfreeze.com

Notified body:

EU type examination carried out by:
SATRA Technology Europe Ltd
Bracetown Business Park, Clonee, D15 YN2P,
Ireland
Notified body no: 2777

Approved body:

SATRA Technology Centre Ltd
Wyndham Way, Telford Way, Kettering,
Northants, NN16 8SD, UK
Approved body no: AB0321



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Application for a Module B Type-Examination Certificate

In accordance with the Personal Protective Equipment Regulation (EU) 2016/425 and or Regulation 2016/425 on personal protective equipment, as amended to apply in GB. Hereafter referred to as the PPE Regulation.

This application and the subsequent certification will only address the obligations under the PPE Regulation. It is the responsibility of the manufacturer to ensure that all other legislative requirements and claims, including those relating to shelf life are met.

Please note that all relevant sections of this application should be completed in full. Failure to complete all relevant sections shall result in the rejection of this application.

Please indicate which Notified Body and or Approved Body this application relates. Where the application is for both EU and UKCA type examination then please tick both.

| | | |
|-------------------------------------------------------|------------------------------|-------------------------------------|
| SATRA Technology Europe Limited Notified Body 2777 | EU Type Examination | <input checked="" type="checkbox"/> |
| SATRA Technology Centre Limited Approved Body 0321 | UKCA Type Examination | <input type="checkbox"/> |

Guidance on the completion of this form

| Application type | Tick to indicate application type | Sections to be completed | Submission requirements |
|---------------------------------------------------------------|-------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All applications | | Section 1 Section 7 | <ul style="list-style-type: none"> Completed and signed application form |
| Initial type-examination certificate | <input type="checkbox"/> | Section 2 Section 6 | <ul style="list-style-type: none"> Example of product (s) Complete technical documentation as per Annex III of the PPE Regulation. See guidance below for required content Completed module C2/D application, where applicable |
| Review of existing type-examination certificate | <input type="checkbox"/> | Section 3 | <ul style="list-style-type: none"> Example of products (s) where significant changes have been identified. Amendments to technical documentation |
| Transfer of existing type-examination certificate | <input type="checkbox"/> | Section 4 Section 6 | <ul style="list-style-type: none"> Example of product (s) where not previously seen by SATRA. Copy of the approved technical documentation as per Annex III of the PPE Regulation. See guidance below for required content Copy of certificate to be transferred Completed module C2/D application, where applicable |
| Own brand manufacturer/extension type-examination certificate | <input checked="" type="checkbox"/> | Section 5 Section 6 | <ul style="list-style-type: none"> Copy of OBM proposed artwork for user information, product marking and packaging. Completed module C2/D application, where applicable |



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Guidance on the technical documentation required by Annex III of the PPE Regulation

The information below has been copied from Annex III of the PPE regulation and is intended to provide guidance on the content of technical documentation (often referred to as the technical file) that is required to be submitted as part of the type examination application. SATRA can provide upon request a template technical file to aid with the collation of the required documentation.

- a) A complete description of the PPE and of its intended use;
- b) An assessment of the risks against which the PPE is intended to protect;
- c) A list of the essential health and safety requirements that are applicable to the PPE;
- d) Design and manufacturing drawings and schemes of the PPE and of its components, sub-assemblies, and circuits;
- e) Any explanations necessary for the understanding of the drawings and schemes referred to in point (d) and of the operation of the PPE;
- f) The references of the harmonised standards referred to in Article 14 that have been applied for the design and manufacture of the PPE. In the event of partial application of harmonised standards, the documentation shall specify the parts which have been applied;
- g) Where harmonised standards have not been applied or have been only partially applied, descriptions of the other technical specifications that have been applied in order to satisfy the applicable essential health and safety requirements; the results of the design calculations, inspections and examinations carried out to verify the conformity of the PPE with the applicable essential health and safety requirements;
- h) Reports on the tests carried out to verify the conformity of the PPE with the applicable essential health and safety requirements and, where appropriate, to establish the relevant protection class;
- i) A description of the means used by the manufacturer during the production of the PPE to ensure the conformity of the PPE produced with the design specifications;
- j) A copy of the manufacturer's instructions and information set out in point 1.4 of Annex II;
- k) For PPE produced as a single unit to fit an individual user, all the necessary instructions for manufacturing such PPE based on the approved basic model;
- l) For PPE produced in series where each item is adapted to fit an individual user, a description of the measures to be taken by the manufacturer during the fitting and production process to ensure that each item of PPE complies with the approved type and with the applicable essential health and safety requirements.



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Section 1 – Applicant details

Section 1.1 Applicant

Details of the applicant to whom the certificates are to be issued, or in the case of an extension application the holder of the main type-examination certificate.

| | | | |
|------------------------------|--------------------------------|--------------------------|--------------------------------------------------------------------|
| Company Name | Goldfreeze Ltd | | |
| Address Line 1 | Unit 23 Sleaford Business Park | | |
| Address Line 2 | East Road | | |
| City | Sleaford | Country | UK |
| County/State/Province | Lincolnshire | Postal Code / ZIP | NG34 7EQ |
| Telephone | 07585700986 | Email | tarek@goldfreeze.co.uk |
| Contact Name | Tarek Hayat | Position | CEO |

All correspondence relating to this application shall be with the above-named applicant, unless specifically stated below.

Section 1.2 Correspondence

I request that correspondence relating to this application is to be shared with the following company(ies)/contact(s):

| Company Name | Contact Name | Email Address |
|---------------------|---------------------|----------------------|
| | | |
| | | |
| | | |

Where additional correspondence has been requested then this shall be on a shared basis.



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Section 1.3 – Invoice details (to be completed if different to the applicant in section 1.1)

Details of the company that is responsible for paying all fees and to whom the invoice shall be issued. Correspondence shall only be with the applicant listed in section 1.1 plus any additional contacts provided in section 1.2.

| | | | |
|----------------------------------|--|------------------------|--|
| Company Name | | | |
| Relationship to applicant | | | |
| Address Line 1 | | | |
| Address Line 2 | | | |
| City | | Country | |
| County/State/Province | | Post Code / ZIP | |
| Telephone | | Email | |
| Contact Name | | Position | |

I have read and agree to the applicable declarations listed under section 7 of this form.

| | | | |
|-------------------|--|-----------------|--|
| Signature | | Date | |
| Print Name | | Position | |



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Section 2 – Application for initial type-examination certificate

Details of the product(s) to be certified

| Product Reference ⁽¹⁾ | Product Description | Product Standard (s) ⁽²⁾ |
|-----------------------------------------|----------------------------|--------------------------------------------|
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Notes

- 1) The reference, code, or name by which products can be uniquely identified.
- 2) The product standard to which certification is sought. If a harmonised or designated standard does not exist or is not been fully used then reference shall be made to the section of the technical file where this has been documented and justified.



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Section 3 - Application for review of existing type examination

Details of and reason(s) of the certificate to be reviewed

| Certificate Number(s) ⁽¹⁾ | Reason for review ⁽²⁾ |
|---------------------------------------------|-----------------------------------------|
| | Choose an item. |
| | Details of the change(s) |
| | Choose an item. |
| | Details of the change(s) |
| | Choose an item. |
| | Details of the change(s) |
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| | Choose an item. |
| | Details of the change(s) |
| | Choose an item. |
| | Details of the change(s) |

Please submit all amendments to technical documentation relating to the above certificate(s) as well as additional test reports and photographs where applicable with this application.
 Please list all changes that you wish to be considered as part of this application. Only these changes shall be considered.

Where the application relates to expiry of a certificate and there have been no modifications or changes to the approved technical documents or products since the issue of the type examination certificate(s), (e.g., design, materials, suppliers, sub-components/assemblies, production locations) then please write "no changes"

Where there is an Own Brand Manufacturer (OBM) (extension) certificate associated with any of the above listed certificates then consideration shall be given to their ongoing validity and where appropriate an extension application completed and submitted.

Notes

- (1) Please include the numbers of all certificates that require review.
- (2) Please select the option that relates to the reason for the review being required.



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Section 4 – Application for transfer of existing type-examination

Details of the certificate(s) to be transferred, including where not SATRA details of the issuing body.

| Certificate Number | Product Reference ⁽¹⁾ | Name of Notified or Approved body that issued certificate (if not SATRA) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------|
| | | |
| | | |
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| | | |
| Have there been any modifications or changes to the approved technical documents or products since the issue of the type examination certificate(s)? (e.g., design, materials, suppliers, sub-components/assemblies, production locations) | | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| If yes, then please provide further details of the changes and or modifications | | |

Notes

- 1) The reference, code, or name by which products can be uniquely identified.



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Section 5 – Application for Own Brand/Extension of existing type-examination

Section 5.1 Extension certificate details (Company to receive the extension certificate)

| | | | |
|------------------------------|------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Company Name | Goldfreeze Ltd | | |
| Address Line 1 | 23 Sleaford Business Park | | |
| Address Line 2 | East Road | | |
| City | Sleaford | Country | UK |
| County/State/Province | Lincolnshire | Postal Code / ZIP | NG34 7EQ |
| Telephone | 0845 643 4753 | Email | tarek@goldfreeze.co.uk michael@goldfreeze.co.uk |
| Contact Name | Tarek Hayat Michael Smith | Position | CEO Projects Manager |

Section 5.2 – Certificate details

| Original certificate number(s) | Original certificate product reference(s) | Extension (OBM) product reference(s) |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2777/15869-02/E00-00 | Hi-Glo 25 Performance 3905230 – Hi-Glo 25 Performance Jacket 3926230 – Hi-Glo 25 Performance Trouser 3126230 – Hi-Glo 25 Performance Salopette 3912150 – Hi-Glo 25 Performance Bomber | Større 25 3908230 – Større 25 Jacket 3928230 – Større 25 Trouser n/a n/a |
| 2777/15870-02/E00-00 | Hi-Glo 40 Xtreme 3905340 – Hi-Glo 40 Xtreme Jacket 3926340 – Hi-Glo 40 Xtreme Trouser 3945340 – Hi-Glo 40 Xtreme Long Coat 3955340 – Hi-Glo 40 Xtreme Coverall | Større 40 3908340 – Større 40 Jacket 3928340 – Større 40 Trouser 3948340 – Større 40 Long Coat 3958340 – Større 40 Coverall |
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Section 5.3 Extension application declaration.

To be signed by the company to whom the extension type-examination certificate will be issued.

I, the undersigned:

- 1) Confirm that the extension certificate(s) will only be used to support the affixation of the CE or UKCA mark to products that have been supplied by the holder of the Module B Type Examination Certificate(s) referenced in Section 1 above and declared by them to have been manufactured in accordance with the technical documentation associated with the referenced Module B type-examination certificate(s) in section 5.2.
- 2) Confirm that for Category III products, a formal application regarding Module C2 or Module D assessment, as appropriate has been established with a Notified or Approved Body. (Note this could be based on an existing application between the company in Section 1 and a Notified or Approved Body)
- 3) Agree to provide copies of the proposed product marking and user information as intended for the products covered by the extension certificate(s).

I have read and agree to the declarations listed above and within section 7 of this form.

| | | | |
|-------------------|-----------------------------------------------------------------------------------|-----------------|------------|
| Signature |  | Date | 02/08/2023 |
| Print Name | Tarek Hayat | Position | CEO |



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Section 6 – Ongoing conformity

To be completed for category III products only (as defined in Annex I of the PPE Regulation)

Please tick and complete one of the 4 following options

| | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Option 1 | Module C2 with SATRA | <input type="checkbox"/> |
| Option 2 | Module D with SATRA (Module D not currently in place with SATRA) | <input type="checkbox"/> |
| Option 3 | Module D with SATRA (Module D currently in place with SATRA) | <input type="checkbox"/> |
| Option 4 | Module C2 or D with another Notified or Approved body (i.e., Not SATRA) Please include Notified or Approved body number | <input type="checkbox"/> |
| | | |

Where a Notified or Approved Body other than SATRA is selected for ongoing conformity then it should be noted that SATRA CANNOT approve the use of the Notified or Approved Body number on marking, user information or packaging. The applicant is required to seek approval directly from the body listed above. SATRA reserves the right to ask for evidence of approval.

Where options 1 or 2 are selected a separate application shall be provided, this shall be required to be completed and returned prior to the type examination certificate being issued.

Definition of products that fall within Category III as per Annex I of the PPE Regulation

- a) substances and mixtures which are hazardous to health;
- b) atmospheres with oxygen deficiency;
- c) harmful biological agents;
- d) ionising radiation;
- e) high-temperature environments the effects of which are comparable to those of an air temperature of at least 100 °C;
- f) low-temperature environments the effects of which are comparable to those of an air temperature of –50 °C or less;
- g) falling from a height;
- h) electric shock and live working;
- i) drowning;
- j) cuts by hand-held chainsaws;
- k) high-pressure jets;
- l) bullet wounds or knife stabs;
- m) harmful noise.




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Section 7 – Declaration

- 1) I declare that an application for an initial Module B type-examination certification for the product(s) listed in this form has NOT been made to any other Notified or Approved Body under the terms of the PPE Regulation;
- 2) I understand that all technical documentation shall be reviewed at the same time. SATRA cannot accept requests to review or comment on individual documents outside of this formal review.
- 3) I agree to provide an example of the product(s) listed in this form as part of the initial application plus as many samples as required for testing purposes identified as part of the certification process and where SATRA is the test lab;
- 4) I confirm that samples comply with the innocuousness requirements of Annex II of the PPE Regulation;
- 5) I confirm that I have read, understood, and agree to abide by the content of the certification agreement included as Appendix 1 of this document;
- 6) I declare that SATRA have not been involved in the design process for the product(s) listed in this form;
- 7) I agree to comply with all obligations of a manufacturer as detailed in Article 8 of the PPE Regulation (and as copied out under section 5 of the certification agreement);
- 8) I agree that technical information and documents relating to this application may be shared internally within the SATRA group of companies;
- 9) I agree to address all findings identified within SATRA's review report(s) within 3 months of the date of issue of the report;
- 10) I agree that failure to address all findings within the required timeframe shall be assumed by SATRA as a wish to cancel this application which shall result in closure of the associated SATRA reference number, at which point, an invoice shall be issued for the full certification cost. Any associated payments received in relation to this application are non-refundable and non-transferable. Please note that upon cancellation, any product samples submitted to SATRA in relation to this application shall be disposed;
- 11) I agree that any request to resume a cancelled application shall require the submission of a new application.

To be completed by the applicant as listed in section 1.1.

| | | | |
|-------------------|-------------------------------------------------------------------------------------|-----------------|------------|
| Signature |  | Date | 02/08/2023 |
| Print Name | Tarek Hayat | Position | CEO |

Please return the completed application form, together with a copy of your technical documentation to ppe@satra.com.

Guidance relating to the submission of samples will be provided upon receipt of this application by SATRA.



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Appendix 1 – Certification agreement

1. General

- 1.1 By signing this application form, the applicant (hereafter known as the 'Client') shall accept the application and Certification Agreement as a legally binding contract between SATRA Technology Centre Limited and or SATRA Technology Europe Ltd (hereafter referred as 'SATRA') and the 'Name of company' as stated in the 'Applicant Details' on Page 1 of the Application Form.
- 1.2 Where referenced within this document the SATRA Group of companies refers to SATRA Technology Centre Limited, SATRA Technology Europe Limited and SATRA Technology Services (Dongguan) Limited.
- 1.3 EU or UKCA module B Type Examination work will not be carried out for any Client until a fully completed and signed Application Form (and Certification Agreement) has been received by SATRA.
- a) and or reinstatement of a certificate
 - b) Reassessment due to changes in the management system or products certified
 - c) Compliance with any subpoena for documents or testimony relating to activities undertaken by SATRA

2. Client Responsibilities

The Client shall:

- 2.1 Undertake to pay all agreed fees and costs charged in conjunction with this application and where applicable to provide free of charge any samples required for testing purposes.

Additional fees may be incurred for work not included within the quote provided and for work required where non-conformances are identified. These may include, without limitation, costs arising from:

- a) Repeats of any part of the certification, due to the registration procedures and rules not being met
- b) Additional work due to suspension, withdrawal and or reinstatement of a certificate
- c) Reassessment due to changes in the management system or products certified
- d) Compliance with any subpoena for documents or testimony relating to activities undertaken by SATRA

- 2.2 Inform SATRA, without delay, of any changes that may affect its ability to conform with the certification requirements, including changes significantly affecting the product's design or specification, or changes in the standards to which compliance of the product is relevant, or in the case of any other information indicating that the product may no longer comply with the requirements of the certification scheme.

Examples of changes may include the following:

- a) the legal, commercial, organisational status or ownership,
- b) organisation and management (e.g., key managerial or technical staff),
- c) modifications to the product or the production method,
- d) contact address and manufacturing sites,
- e) major changes to the quality management system.

Where changes have taken place, the Client shall not release CE or UKCA marked products until the appropriate changes to the certified product, as agreed by SATRA and the Client, have been implemented.

- 2.3 Where applicable, provide access to certified products for surveillance activities.
- 2.4 Ensure that the certified product shall continue to fulfill the requirements of the product certification (e.g., levels or classifications achieved as part of the certification process).
- 2.5 Make all necessary arrangements for:
- a) the conduct of the evaluation and surveillance (if required), including provision for examining documentation and records, and access to the relevant equipment, location(s), area(s), personnel, and the Client's subcontractors;
 - b) the investigation of complaints;
 - c) the participation of observers, if applicable.
- 2.6 Provide any applicable information regarding known or potential hazards likely to be encountered by SATRA personnel as a result of handling or coming in to contact with submitted samples or during visits in order to allow SATRA to comply with Health and Safety legislation



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- 2.7 Take all steps necessary to ensure that the manufacturing process, including the final inspection of PPE and tests, ensures the homogeneity of production and the conformity of PPE with the type described in the Module B Type Examination Certificate and with the relevant basic requirements of the PPE Regulation.
- 2.8 Ensure that any claims regarding certified products are consistent with the scope of product certification with respect to the identification of:
 - a) the product(s), process (es) or services(s) for which the certification is granted;
 - b) the applicable certification scheme; and,
 - c) the standard(s) and other normative document(s) (including date of publication) to which the product(s); process(es) or service(s) has been judged to comply.
- 2.9 Not use its product certification in such a manner as to bring SATRA into disrepute and does not make any statement regarding its product certification that SATRA may consider misleading or unauthorised.
- 2.10 Upon suspension, withdrawal, or termination of certification, the Client discontinues its use of all advertising matter that contains any reference thereto and acts as required by the certification scheme (e.g., the return of certification documents) and takes any other required measure.
- 2.11 Only provide copies of the certification documents to others, if the documents are reproduced in their entirety.
- 2.12 In referring to its product certification in communication media such as documents, brochures or advertising, the Client complies with the requirements of SATRA or as specified by the certification scheme.
- 2.13 Comply with any requirements that may be prescribed in the certification scheme relating to the use of marks of conformity, and on information related to the product. These being:
 - 2.13.1 The CE or UKCA Mark can only be applied to stationery and publicity material which relates to the products for which certification has been granted. This can include the internet, brochures, advertisements etc. We would advise any Client to contact us prior to printing if there is any doubt regarding the intended use. The misuse of the CE, UKCA or other marks could result in the issue of a requirement to withdraw offending items.
 - 2.13.2 Where possible the minimum height of the CE or UKCA mark must be no less than 5mm and shall only be increased in proportion.
 - 2.13.3 The CE, UKCA or other mark may not be used in any way that may be interpreted as misleading nor shall the client make any misleading statements regarding its certification
 - 2.13.4 The use of SATRA's Notified Body or Approved body number after the CE or UKCA mark is restricted to those products defined as Category III Products and where SATRA is responsible for Module C2 or Module D. However, it may be used on user information of all certified products as a means of identifying SATRA as the type approval body and the Module C2 or D body.
 - 2.13.5 Upon suspension or withdrawal of its certification, The Client shall discontinue its use of the CE or UKCA mark as directed by SATRA and shall amend all advertising matter when the scope of registration has been reduced. The Client shall ensure that the CE, UKCA or other marks are not used in such a manner that would bring SATRA into disrepute and lose public trust.
- 2.14 Uses certification only to indicate that products are certified as being in conformity with the PPE Regulation and where applicable specified standards.
- 2.15 Shall confirm that the samples submitted for any testing required as part of the certification process shall be representative of the product to be certified in respect of all its characteristics taken together, and be made from production tools and assembling methods used for the production run.
- 2.16 Retains a record of all non-conformities and complaints relating to certification requirements of the certified product(s) and makes these records available to SATRA when requested, and:
 - a) takes appropriate action with respect to such complaints about any deficiencies found in products that affect compliance with the requirements for certification;
 - b) documents the action taken.
- 2.17 Retain the EU or UKCA Certificate of Conformity (or a copy of it) for a minimum of 10 years after the product to which it relates is last placed on the market



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3. SATRA Responsibilities

- 3.1 SATRA shall inform the Client of any changes that may affect the validity of the product certification.
- 3.2 After confirming the acceptance of the application, the SATRA Assessor shall discuss and agree with the Client the responsibility for carrying out the various tasks according to the requirements of Annex II of the PPE Regulation as applicable. Where testing is required, this shall be carried out in accordance with SATRA Technology Centre Limited's ISO 17025 Quality system and procedures. SATRA reserves the right to sub-contract testing, where this is required then this shall be agreed with the Client.
- 3.3 SATRA shall carry out the certification process against an agreed product standard (s) or specification (s) where possible. The normal route shall be to use an English language version of the appropriate European Harmonised, or UK designated standard. National forewords to such standards will not normally be considered unless specifically requested by the Client. Other standards or technical specifications may be used, where this is deemed necessary then it shall be by mutual agreement with the Client. Whichever option is chosen it shall satisfy all the relevant requirements of the PPE Regulation. This shall also include appropriate test data to demonstrate that the materials used to construct the products do not contain substances that may cause harm and that they are in compliance with the current requirements of all applicable product standards as well as the current version of Annex XVII of the EU and or UK REACH Regulation.
- 3.4 SATRA shall retain copies of technical files for a minimum of 10 years after the product is last placed on the market and/or the EU or UKCA Module B Type Examination certificate is cancelled, withdrawn or expires, whichever comes sooner. Such documentation shall be made available to the Surveillance Authorities upon demand.
- 3.5 Where review of an existing certificate is requested, the Assessor shall send the Client an appropriate application form for completion and return. On return of the completed application form, the Assessor shall decide on whether reduced Certification Procedures may be undertaken and shall document the decision.
- 3.6 Where an extension to an existing certificate is requested, the Assessor shall send the Client an appropriate application form for completion and return.
- 3.7 Where SATRA becomes aware that a registered Client has misused a certificate, schedule, logo or accreditation mark, the Client shall be required to ensure that the misuse is rectified. Incorrect references to the certification system or misleading use of information found in advertisements, catalogues etc. shall be dealt by suitable means including corrective action, publication of the transgression and, if necessary, legal action.
- 3.8 Suspension, termination, and withdrawal of certificates
- 3.8.1 Where a certificate is suspended, terminated, or withdrawn then the Client has the right to appeal. The appeal shall be received in writing, by SATRA, within twenty-eight working days of the Client having being informed of the intention to suspend, withdraw, or terminate the certificate.
- 3.8.2 The outcome of an appeal shall be final and binding on both parties and no counter claim by either party shall be accepted. Where an appeal is successful, the Clients costs may be reimbursed at the discretion of SATRA.
- 3.8.3 Suspension of certificates.
- 3.8.3.1 A Clients EU or UKCA Module B Type Examination Certificate may be suspended for the following reasons:
- Contravention of SATRA's rules and regulations relating to product certification;
 - Where effective corrective action is not implemented within an agreed timescale against a major non-compliance found during a surveillance visit.
 - Where significant non-homogeneity is highlighted during on-going surveillance.
- 3.8.3.2 SATRA shall inform the Client in writing that their certificate has been suspended, the reason(s) for the suspension and the actions required to reinstate the certificate.
- 3.8.3.3 SATRA shall inform the appropriate notifying authority when a Client's certificate has been suspended.
- 3.8.3.4 If product certification is reinstated after suspension, SATRA shall make all necessary modifications to formal product certification documents, public information, authorisations for use of marks, etc., in order to ensure all appropriate indications, exist that the product continues to be certified.
- 3.8.3.5 If a decision to reduce the scope of product certification is made as a condition of reinstatement, SATRA shall make all necessary modifications to formal product certification documents, public information, authorisations for use of marks, etc., in order to ensure the reduced scope of product certification is clearly communicated to the Client and clearly specified in product certification documentation and public information.



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3.8.4 Withdrawal or termination of certificates

3.8.4.1 A certificate shall be withdrawn if:

- It is found that a condition of manufacture, design, materials, or packaging have been changed and therefore no longer comply with the requirements of the Directive or Regulation as applicable;
- The Client fails to settle their financial obligations to SATRA;
- The Client fails to effectively implement the actions agreed following the suspension of a certificate;
- Actions taken by the Client during their business activities that would bring SATRA and / or the Product Certification Scheme into disrepute;
- The Client does not wish to continue with certification;
- The Client goes out of business.

3.8.4.2 SATRA shall inform the Client in writing that their certificate has been withdrawn, the reason(s) for the withdrawal and any actions required.

3.8.4.3 SATRA shall inform the appropriate notifying authority when a Client's certificate has been withdrawn.

3.9 Confidentiality

3.9.1 The results of Product Certification activities shall be treated by SATRA as confidential. Results obtained shall only be passed to third parties with the permission of the Client that originally commissioned it, except for requests from enforcement and surveillance authorities.

Note: SATRA reserves the right to share information relating to certification within the SATRA Group of companies unless advised otherwise.

3.10 Complaints and Appeals

3.10.1 Upon receipt of a complaint or an appeal which relates to product certification activities, the Business area head or their nominated deputy shall deal with it in accordance with SATRA's complaints and appeals procedure.

3.10.2 Where the complaint or appeal relates to the on-going conformity of a product certified by SATRA, it is possible that any agreed remedial actions may involve recalling non-compliant products in which case SATRA shall require documented evidence of such a recall.

3.10.3 Complainants raising issues regarding a) products not being CE or UKCA -marked when they should be or b) EU or UKCA Type Examination certificates issued by other Notified or Approved Bodies shall be directed to the appropriate enforcement authority.

3.10.4 SATRA shall only accept written appeals received within twenty-eight days of the client being informed of the decision that gave rise to the appeal.

3.10.5 Full details of the SATRA Complaints and Appeals procedure are available on request.

3.11 SATRA shall retain in its archive for the period required by the relevant accreditation body all materials relating to the certificate. After which SATRA shall dispose of said materials unless instructed otherwise by the Client. All fees for carrying out such instructions will be invoiced to the Client.

4.0 SATRA Requirements

4.1 Any test reports submitted to SATRA in support of EU or UKCA type examination shall meet the following criteria:

- a) Reports shall reflect state of the art and be as current as possible, where reports are older than 5 years (60 months) then SATRA reserves the right to request additional supporting documentation, such as more recent check test data;
- b) Where not undertaken by SATRA, all testing and reporting shall be carried out by a laboratory that is independent and impartial to any economic operator of the finished product and considered as being competent to conduct the work. Accreditation of a laboratory to ISO 17025 by a National Accreditation Body that is recognised by INAB or UKAS (see ILAC website) for the work undertaken will be taken as evidence of competence as long as it can also demonstrate that it has knowledge of, and access to, any appropriate recommendation for use sheets and guidance papers endorsed by the European Commission or UK Government. In the absence of such accreditation, a report will be accepted only when competence has been demonstrated to the satisfaction of SATRA, via an audit visit and, where judged necessary, check testing.

Note, in either case if the laboratory is not a Notified or Approved Body, SATRA may commission limited check testing on safety critical properties;



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- c) Innocuousness test data which has been requested in addition to that required by the main European Harmonised or UK Designated Standard or performance specification. These additional innocuousness tests (i.e., not detailed in the product standard) need not be carried out by SATRA or an ISO 17025 accredited facility but it will be necessary to submit actual test data (declarations of conformity are not acceptable).
 - d) Reports shall contain where possible the following information:
 - (i) sample references given in any test report shall be the same as those detailed in the technical file,
 - (ii) reference to the manufacturer and manufacturing site(s),
 - (iii) identification of the organisation and personnel responsible for the test,
 - (iv) identification of the product(s) in accordance with the relevant technical specification,
 - (v) date(s) samples were received and the date(s) testing was undertaken,
 - (vi) details of samples received and the sampling procedure if applicable,
 - (vii) testing methods and procedures used according the relevant technical specification,
 - (viii) the results of all testing carried out, including analysis of these where relevant,
 - (ix) registration number of the Notified Body (when relevant),
 - (x) signature of the person authorised to sign such test reports;
 - e) The Test Report shall indicate compliance of the product(s) with the relevant clauses of the harmonised standard (s).
- 4.2 Copies of all test Reports used as part of the certification process shall be submitted to SATRA. Copies of Test Reports that form part of any on-going monitoring procedure should be retained by the manufacturer and made available on request.
- 4.3 All test reports submitted as part of the certification process shall, where applicable, include information relating to the use of uncertainty of measurement. When evaluating the suitability of results and reports SATRA will, where applicable to safety critical aspects of the product, take uncertainty of measurement into account. SATRA reserves the right to reject reports where the uncertainty of measurement cannot be determined for those tests/properties deemed by SATRA to be safety critical.
- 4.4 Where a technical file is required as part of the certification process then it shall include at least the following:
- a) name & address of the manufacturer;
 - b) name and address of the Authorised representative in the EU (if relevant);
 - c) full description(s) of the product(s) included within the technical file, including specifications, annotated drawings and comprehensive photographs of all styles;
 - d) full details of all materials and components used in the construction of the product (s) including specifications, and supplier details (name and postal address);
 - e) quality control procedures, and where appropriate, a copy of the ISO9001 certificate for the manufacturing site(s), this should include a description of the control and test facilities at the manufacturing site(s) that are in place in order to check compliance of production with the harmonized standards / technical specifications to ensure ongoing compliance;
 - f) details of proposed packaging and product marking, including label artwork;
 - g) copy (ies) of all applicable user information sheets, these shall comply with the requirements of the agreed product standard;
 - h) check list showing compliance with the applicable health and safety requirements, Annex II of the PPE Regulation;
 - i) all applicable test reports, references to materials on submitted test reports must correspond with those in the material specifications.
- 4.5 SATRA reserves the right to request additional supporting documentation including further testing, where the certification process becomes protracted.
- 5.0 Article 8 of the PPE Regulation – Obligations of manufacturers**
- 5.1 When placing PPE on the market, manufacturers shall ensure that it has been designed and manufactured in accordance with the applicable essential health and safety requirements set out in Annex II.
- 5.2 Manufacturers shall draw up the technical documentation referred to in Annex III ('technical documentation') and carry out the applicable conformity assessment procedure referred to in Article 19 or have it carried out.
- Where compliance of PPE with the applicable essential health and safety requirements has been demonstrated by the appropriate procedure, manufacturers shall draw up the EU or UKCA declaration of conformity referred to in Article 15 and affix the CE or UKCA marking referred to in Article 16.
- 5.3 Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the PPE has been placed on the market.



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- 5.4 Manufacturers shall ensure that procedures are in place for series production to remain in conformity with this Regulation. Changes in the design or characteristics of the PPE and changes in the harmonised or Designated standards or in other technical specifications by reference to which the conformity of the PPE is declared shall be adequately considered.
- When deemed appropriate regarding the risks presented by PPE, manufacturers shall, to protect the health and safety of consumers and other end-users, carry out sample testing of PPE made available on the market, investigate, and, if necessary, keep a register of complaints, of non-conforming PPE and PPE recalls, and shall keep distributors informed of any such monitoring.
- 5.5 Manufacturers shall ensure that the PPE which they place on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the PPE does not allow it, that the required information is provided on the packaging or in a document accompanying the PPE.
- 5.6 Manufacturers shall indicate, on the PPE, their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where that is not possible, on its packaging or in a document accompanying the PPE. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.
- 5.7 Manufacturers shall ensure that the PPE is accompanied by the instructions and information set out in point 1.4 of Annex II in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Such instructions and information, as well as any labelling, shall be clear, understandable, intelligible, and legible.
- 5.8 The manufacturer shall either provide the EU or UKCA declaration of conformity with the PPE or include in the instructions and information set out in point 1.4 of Annex II the internet address at which the EU declaration of conformity can be accessed.
- 5.9 Manufacturers who consider or have reason to believe that PPE which they have placed on the market is not in conformity with this Regulation shall immediately take the corrective measures necessary to bring that PPE into conformity, to withdraw it or to recall it, as appropriate. Furthermore, where the PPE presents a risk, manufacturers shall immediately inform the competent national authorities of the Member States in which they made the PPE available on the market to that effect, giving details of the non-conformity and of any corrective measures taken.
- 5.10 Manufacturers shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation, in paper or electronic form, necessary to demonstrate the conformity of the PPE with this Regulation, in a language which can be easily understood by that authority. They shall cooperate with that authority, at its request, on any action taken to eliminate the risks posed by PPE which they have placed on the market.

For more information, please contact:
 E-mail: ppe@satra.com
 website: www.satra.com

STØRRE®

40

SIZE: SMALL

PRODUCT CODE:
3908340 000

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



88-96

76-84

170-176

SIZE: 000

www.goldfreeze.com

STØRRE®

40

SIZE: MEDIUM

PRODUCT CODE:
3908340 001

OUTER:
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LINING:
100% POLYESTER

INSULATION:
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AP 3



WP X

Ensemble 3908340 jacket
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96-104

84-92

176-182

SIZE: 001

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SIZE: LARGE

PRODUCT CODE:
3908340 002

OUTER:
100% POLYESTER

LINING:
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INSULATION:
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WP X

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104-112

92-104

182-188

SIZE: 002

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SIZE: X LARGE

PRODUCT CODE:
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OUTER:
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WP X

Ensemble 3908340 jacket
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112-120

104-112

182-188

SIZE: 003

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STØRRE®

40

SIZE: XX LARGE

PRODUCT CODE:
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OUTER:
100% POLYESTER

LINING:
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INSULATION:
100% POLYESTER



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WP X

Ensemble 3908340 jacket
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120-128

112-124

182-194

SIZE: 004

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STØRRE®

40

SIZE: 3X LARGE

PRODUCT CODE:
3908340 005

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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WP X

Ensemble 3908340 jacket
with 3928340 trousers



128-136

124-132

182-194

SIZE: 005

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STØRRE®

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SIZE: 4X LARGE

PRODUCT CODE:
3908340 006

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



136-144

132-140

182-194

SIZE: 006

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STØRRE®

40

SIZE: X SMALL

PRODUCT CODE:
3908340 009

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

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Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



80-88

68-76

164-176

SIZE: 009

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STØRRE®

40

SIZE: SMALL

PRODUCT CODE:
3928340 000

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

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Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



88-96

76-84

170-176

SIZE: 000

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STØRRE®

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SIZE: MEDIUM

PRODUCT CODE:
3928340 001

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

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Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



96-104

84-92

176-182

SIZE: 001

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STØRRE®

40

SIZE: LARGE

PRODUCT CODE:
3928340 002

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

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Made In China

EN342:2017



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(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



104-112

92-104

182-188

SIZE: 002

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STØRRE®

40

SIZE: X LARGE

PRODUCT CODE:
3928340 003

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



112-120

104-112

182-188

SIZE: 003

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SIZE: XX LARGE

PRODUCT CODE:
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OUTER:
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LINING:
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INSULATION:
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underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



120-128

112-124

182-194

SIZE: 004

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STØRRE®

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SIZE: 3X LARGE

PRODUCT CODE:
3928340 005

OUTER:
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LINING:
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INSULATION:
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WP X

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128-136

124-132

182-194

SIZE: 005

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100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



136-144

132-140

182-194

SIZE: 006

www.goldfreeze.com

STØRRE®

40

SIZE: X SMALL

PRODUCT CODE:
3928340 009

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3908340 jacket
with 3928340 trousers



80-88

68-76

164-176

SIZE: 009

www.goldfreeze.com

STØRRE®

40

SIZE: SMALL

PRODUCT CODE:
3948340 000

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



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UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3948340 coat
with 3928340 trousers



88-96

76-84

170-176

SIZE: 000

www.goldfreeze.com

STØRRE®

40

SIZE: MEDIUM

PRODUCT CODE:
3948340 001

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3948340 coat
with 3928340 trousers



96-104

84-92

176-182

SIZE: 001

www.goldfreeze.com

STØRRE®

40

SIZE: LARGE

PRODUCT CODE:
3948340 002

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3948340 coat
with 3928340 trousers



104-112

92-104

182-188

SIZE: 002

www.goldfreeze.com

STØRRE®

40

SIZE: X LARGE

PRODUCT CODE:
3948340 003

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3948340 coat
with 3928340 trousers



112-120

104-112

182-188

SIZE: 003

www.goldfreeze.com

STØRRE®

40

SIZE: XX LARGE

PRODUCT CODE:
3948340 004

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.350

(B) – standard
underwear

AP 3



WP X

Ensemble 3948340 coat
with 3928340 trousers



120-128

112-124

182-194

SIZE: 004

www.goldfreeze.com

STØRRE®

40

SIZE: SMALL

PRODUCT CODE:
3958340 000

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.377

(B) – standard
underwear

AP 3



WP X

Ensemble 3958340
coverall



88-96

76-84

170-176

SIZE: 000

www.goldfreeze.com

STØRRE®

40

SIZE: MEDIUM

PRODUCT CODE:
3958340 001

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.377

(B) – standard
underwear

AP 3



WP X

Ensemble 3958340
coverall



96-104

84-92

176-182

SIZE: 001

www.goldfreeze.com

STØRRE®

40

SIZE: LARGE

PRODUCT CODE:
3958340 002

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.377

(B) – standard
underwear

AP 3



WP X

Ensemble 3958340

coverall



104-112

92-104

182-188

SIZE: 002

www.goldfreeze.com

STØRRE®

40

SIZE: X LARGE

PRODUCT CODE:
3958340 003

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.377

(B) – standard
underwear

AP 3



WP X

Ensemble 3958340
coverall



112-120

104-112

182-188

SIZE: 003

www.goldfreeze.com

STØRRE®

40

SIZE: XX LARGE

PRODUCT CODE:
3958340 004

OUTER:
100% POLYESTER

LINING:
100% POLYESTER

INSULATION:
100% POLYESTER



**Goldfreeze Ltd NG34 7EQ
UK**

T: +44 (0) 845 643 4753

Made In China

EN342:2017



Icler 0.377

(B) – standard
underwear

AP 3



WP X

Ensemble 3958340
coverall



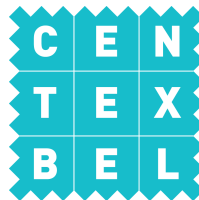
120-128

112-124

182-194

SIZE: 004

www.goldfreeze.com



**SATRA Safety Product Centre
Wyndham Way - Telford Way - Kettering
NN16 8SD NORTHAMPTONSHIRE
United Kingdom**

Your notice of
16-08-2023

Your reference

Date
31-08-2023

Analysis Report 23.04384.01

Required tests :

EN ISO 15831 (2004)

Measurement of thermal insulation by means of a thermal manikin

| Sample id | Information given by the client | Date of receipt |
|-----------|----------------------------------------------------------|-----------------|
| T2318797 | 25 Cold jacket Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |
| T2318798 | 25 Cold trouser Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |
| T2318799 | 40 Freezer jacket Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |
| T2318800 | 40 Freezer trouser Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |
| T2318801 | hood Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |
| T2318802 | 40 Freezer coverall Prewashed to 4M 40°C for 5 cycles | 10-08-2023 |

Anne Cornet
Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



Reference: **M2318804**
T2318797 - 25 Cold jacket
Prewashed to 4M 40°C for 5 cycles
T2318798 - 25 Cold trouser
Prewashed to 4M 40°C for 5 cycles
T2318801 - hood
Prewashed to 4M 40°C for 5 cycles

Measurement of thermal insulation by means of a thermal manikin

| | |
|----------------------------------------------|---------------------------------------|
| Date of ending the test | 24-08-2023 |
| Standard used | EN ISO 15831 (2004) |
| Product standard | EN 342 (2017) |
| Description of the sample | Jacket + trousers |
| Underwear | Ensemble B |
| Sample arrangement | Zippers and snap fasteners are closed |
| Number of test specimens | 1 |
| Number of measurements on each test specimen | 3 |
| Air temperature T_a | 15 °C |
| Relative humidity | 50% |
| Air speed v_a | 0.3 m/s |
| Walking speed (double steps/min) | 45 |
| Calculation model | Parallel |

| | Arithmetic average of individual measurements ($m^2.K/W$) |
|---------------------------------------------------|-------------------------------------------------------------|
| Resultant total thermal insulation I_{tr} | 0.416 |
| Resultant effective thermal insulation I_{cler} | 0.349 |



Levels of performance
Resultant effective thermal insulation and minimum ambient temperatures

| Insulation I_{cler} ($m^2 \cdot K/W$) | Wearer moving activity | | | |
|-------------------------------------------------|-------------------------------|----------|--------------------------------|----------|
| | Light 115 W/m ² | | Medium 170 W/m ² | |
| | 8 h | 1 h | 8 h | 1 h |
| - | | | | |
| 0.349 | -5.4 °C | -22.9 °C | -23.4 °C | -42.4 °C |

According to EN 342, Annex C - Table C.2, the cold protective suit tested can be worn down to the minimum ambient temperatures given above, provided the hand-, foot- and headwear is adequate, i.e. sufficiently thermal insulating, and the outer air velocity is between 0.3 m/s and 0.5 m/s



Reference: **M2318805**
T2318799 - 40 Freezer jacket
Prewashed to 4M 40°C for 5 cycles
T2318800 - 40 Freezer trouser
Prewashed to 4M 40°C for 5 cycles
T2318801 - hood
Prewashed to 4M 40°C for 5 cycles

Measurement of thermal insulation by means of a thermal manikin

| | |
|----------------------------------------------|---------------------------------------|
| Date of ending the test | 24-08-2023 |
| Standard used | EN ISO 15831 (2004) |
| Product standard | EN 342 (2017) |
| Description of the sample | Jacket + trousers |
| Underwear | Ensemble B |
| Sample arrangement | Zippers and snap fasteners are closed |
| Number of test specimens | 1 |
| Number of measurements on each test specimen | 3 |
| Air temperature T_a | 15 °C |
| Relative humidity | 50% |
| Air speed v_a | 0.3 m/s |
| Walking speed (double steps/min) | 45 |
| Calculation model | Parallel |

| | Arithmetic average of individual measurements ($m^2.K/W$) |
|---------------------------------------------------|-------------------------------------------------------------|
| Resultant total thermal insulation I_{tr} | 0.417 |
| Resultant effective thermal insulation I_{cler} | 0.350 |



Levels of performance
Resultant effective thermal insulation and minimum ambient temperatures

| Insulation I_{cler} ($m^2 \cdot K/W$) | Wearer moving activity | | | |
|-------------------------------------------------|-------------------------------|----------|--------------------------------|----------|
| | Light 115 W/m ² | | Medium 170 W/m ² | |
| | 8 h | 1 h | 8 h | 1 h |
| - | | | | |
| 0.350 | -5.5 °C | -22.9 °C | -23.4 °C | -42.4 °C |

According to EN 342, Annex C - Table C.2, the cold protective suit tested can be worn down to the minimum ambient temperatures given above, provided the hand-, foot- and headwear is adequate, i.e. sufficiently thermal insulating, and the outer air velocity is between 0.3 m/s and 0.5 m/s



Reference: M2318806
T2318802 - 40 Freezer coverall
Prewashed to 4M 40°C for 5 cycles
T2318801 - hood
Prewashed to 4M 40°C for 5 cycles

Measurement of thermal insulation by means of a thermal manikin

Date of ending the test 30-08-2023
 Standard used EN ISO 15831 (2004)
 Product standard EN 342 (2017)

Description of the sample Overall with sleeves
 Underwear Ensemble B
 Sample arrangement Zippers are closed
 Number of test specimens 1
 Number of measurements on each test specimen 3

Air temperature T_a 15 °C
 Relative humidity 50%
 Air speed v_a 0.3 m/s
 Walking speed (double steps/min) 45

Calculation model Parallel

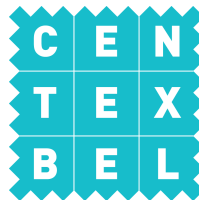
| | Arithmetic average of individual measurements ($m^2.K/W$) |
|---------------------------------------------------|-------------------------------------------------------------|
| Resultant total thermal insulation I_{tr} | 0.444 |
| Resultant effective thermal insulation I_{cler} | 0.377 |



Levels of performance
Resultant effective thermal insulation and minimum ambient temperatures

| Insulation I_{cler} ($m^2 \cdot K/W$) | Wearer moving activity | | | |
|-------------------------------------------------|-------------------------------|----------|--------------------------------|----------|
| | Light 115 W/m ² | | Medium 170 W/m ² | |
| | 8 h | 1 h | 8 h | 1 h |
| - | | | | |
| 0.377 | -7.9 °C | -26.4 °C | -27.2 °C | -46.9 °C |

According to EN 342, Annex C - Table C.2, the cold protective suit tested can be worn down to the minimum ambient temperatures given above, provided the hand-, foot- and headwear is adequate, i.e. sufficiently thermal insulating, and the outer air velocity is between 0.3 m/s and 0.5 m/s



Sample history

M2318804

Sample composed of
T2318797 (25 Cold jacket
Prewashed to 4M 40°C for 5 cycles)
T2318798 (25 Cold trouser
Prewashed to 4M 40°C for 5 cycles)
T2318801 (hood
Prewashed to 4M 40°C for 5 cycles)

M2318805

Sample composed of
T2318799 (40 Freezer jacket
Prewashed to 4M 40°C for 5 cycles)
T2318800 (40 Freezer trouser
Prewashed to 4M 40°C for 5 cycles)
T2318801 (hood
Prewashed to 4M 40°C for 5 cycles)

M2318806

Sample composed of
T2318802 (40 Freezer coverall
Prewashed to 4M 40°C for 5 cycles)
T2318801 (hood
Prewashed to 4M 40°C for 5 cycles)

Sample history