

## S005 - Production Specification

Product Code: R1517 Industrial Waterproof Smock

Description: Chemical resistant Smock with button in neck at front opening, Elastic sleeve opening.



- Chemical resistant Smock with button in neck at front opening, Elastic sleeve opening.
- Resistant to chemicals in soft and pliable fabric with high durability and cold resistance.
- Chest/neck area feature release studs for easy access
- 170g “Techmaphobic” / PU with stretch
- Polyester/PU
- Stretchable
- Material weight -170gms
- Material - Polyester/PU (25% PU/ 75% Polyester)
- Water resistance: 5,000mm
- Available sizes = Small, Medium Large XI, XXL, XXXL and XXXL
- Available colours – White & Blue
- EN14605-6 (H<sub>2</sub>SO<sub>4</sub>m 30%) EN14605-1 (NaOH 10%), EN4605-2 (ButaN-1OL, o-xylene).
- Certificate EN343:3-1, EN14605
- Washing: 40°C, no softener, no bleaching agent

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**Your notice of**  
 2008-02-12

**Your reference**

**our reference**  
 RD.NB/1302

**date**  
 2008-02-13

## Certification report

### 1. Description of the tested article:

quality name: TECHMAPHOBIC – D332  
 mass: 170 g/m<sup>2</sup>  
 weave: -  
 composition: -

### 2. Executed tests:

tests in EN 14605	requirements	result
Abrasion resistance	class 1: 10 cycles class 2: 100 cycles class 3: 500 cycles class 4: 1 000 cycles class 5: 1 500 cycles class 6: 2 000 cycles	> 2000 cycles  Class 6
Flex cracking resistance	class 1: 1 000 cycles class 2: 2 500 cycles class 3: 5 000 cycles class 4: 15 000 cycles class 5: 40 000 cycles class 6: 100 000 cycles	>100 000cycles  Class 6

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tests in EN 14605	requirements	result
Flex cracking resistance at -30°C  Only applicable for use at very low temp	class 1: 100 cycles class 2: 200 cycles class 3: 500 cycles class 4: 1 000 cycles class 5: 2 000 cycles class 6: 4 000 cycles	Not tested
Tear resistance	class 1: > 10 N class 2: > 20 N class 3: > 40 N class 4: > 60 N class 5: > 100 N class 6: > 150 N	Wa: 132 N We: 258 N Class 5
Tensile strength	class 1: > 30 N class 2: > 60 N class 3: > 100 N class 4: > 250 N class 5: > 500 N class 6: > 1 000 N	Wa: 546 N We: 242 N Class 3
Puncture resistance	class 1: > 5 N class 2: > 10 N class 3: > 50 N class 4: > 100 N class 5: > 150 N class 6: > 250 N	27.5 N  Class 2
Resistance to permeation of liquids	class 1: 10 min class 2: 30 min class 3: 60 min class 4: 120 min class 5: 240 min class 6: 480 min	H <sub>2</sub> SO <sub>4</sub> 30%: >480 min NaOH 10%: 28 min o-xylene: <5 min butan-1-ol: 7 min
Resistance to ignition		Not tested
Seam strength	class 1: > 30 N class 2: > 50 N class 3: > 75 N class 4: > 125 N class 5: > 300 N class 6: > 500 N	Only applicable to a ready made garment
Spraytest for type 4 only not for PB[4] After cleaning acc. care instructions		Only applicable to a ready made garment
Jetest only for Type 3 and Type PB [3] articles After cleaning acc. care instructions		Only applicable to a ready made garment

Detailed results can be found in:  
Analysis report 58390 of 2007-08-27

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**3. Conclusion:**

The tested material **TECHMAPHOBIC – D332** fulfils the fabric requirements of EN 14605:2005 as follows:

- class 6 for abrasion
- class 6 for flex cracking resistance
- class 5 for tearing resistance
- class 3 for tensile strength
- class 2 for puncture resistance
- class 6 for permeation with H<sub>2</sub>SO<sub>4</sub> 30%
- class 1 for permeation with NaOH 10%
- below class 1 for permeation with butan-1-ol, o-xylene

The personal protective equipment itself still has to be type tested by a notified body.

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certification coordinator

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Klipspringer Ltd  
**25-01-2018**

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