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**Your notice of**  
 2018-12-07

**Your reference**  
 e-mail

**our reference**  
 CR/2475\_2018

**date**  
 2018-12-20

## Certification report

### 1. Description of the tested article as described by the customer:

quality name: 5451  
 mass: Weight 580 ± 50g/m<sup>2</sup>  
 weave: -  
 composition: Viscose FR Aluminized Reflespace

### 2. Executed tests:

tests from EN ISO 11612:2015	Requirements for each individual result	result
Pre-treatment by washing: not applicable		
Heat resistance 180 °C	no ignition no melting shrinkage ≤5%	Wa: -0.9% We: -0.1% Pass
Heat resistance 260 °C (skin contact - optional)	no ignition no melting shrinkage ≤10%	Not tested
flame spread code A1	No flaming to the top or either vertical edge No flaming or molten debris No hole (≥ 5 mm) formation in any direction After glow time ≤ 2s (all specimens) No afterglow shall spread in the undamaged area After flame time ≤ 2s (all specimens)	Multi layer Outer/inner Inner/outer  <b>A1</b>

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 The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.

Centexbel is authorised by decree of the Ministry of Employment and Labour AV/OA235/ST, dated 25/5/94 and identified under the number  
 0493 by the European Committee.



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tests from EN ISO 11612:2015	Requirements for each individual result	result
flame spread code A2 optional	No flaming to the top or either vertical edge No flaming or molten debris After glow time $\leq 2s$ (all specimens) No afterglow shall spread in the undamaged area After flame time $\leq 2s$ (all specimens)	Not tested
dimensional stability	not exceed $\pm 3\%$ knitted fabric: not exceed $\pm 10\%$	Not applicable
tensile strength	Textile: 300 N leather: 60 N	Wa: 1300N We: 870N
tear resistance	textile: 10 N leather: 10 N	Wa: 69N We: 77N
convective heat	HTI <sub>24</sub> : < 4s → B 0 min 4.0s and < 10.0s → B 1 min 10.0s and < 20.0s → B 2 min 20.0s → B 3	HTI <sub>24</sub> = 7.1s <b>B1</b>
radiant heat after pre-treatment by flexing (annex A of EN ISO 11612)	RHTI <sub>24</sub> < 7s → C 0 min 7.0s and max <20.0s → C 1 min 20.0s and <50.0s → C 2 min 50.0s and <95.0s → C 3 min 95.0s → C 4	RHTI <sub>24</sub> = 66.5s <b>C3</b>
molten aluminium	deformation PVC film at < 100 g → D 0 no deformation of PVC-film and no ignition of material for proj-index min 100 g and max <200 g → D 1 min 200 g and max <350 g → D 2 min 350 g → D 3	<b>D2</b>
molten iron	deformation PVC-film at < 100 g → E 0 no deformation of PVC film and no ignition of material for proj-index min 60 g and max <120 g → E 1 min 120 g and max <200 g → E 2 min 200 g → E 3	<b>E3</b>
contact heat 250°C	Tt<5 →F0 Tt min 5.0s and max < 10.0s →F1 Tt min 10.0s and max < 15.0s →F2 Tt min 15.0s →F3	Tt = 6.4s <b>F1</b>



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Detailed results can be found in:

Centexbel: Analysis report 14.05488.05 of 2018-11-21

STFI Testreport 2018 2442 of 2018-11-05

### 3. Conclusion:

The tested material **5451** fulfils the requirements for the performed tests of

**ISO 11612:2015**  
**A1 B1 C3 D2 E3 F1**

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

A handwritten signature in blue ink, appearing to read 'Ch. Cousyn'.

Christophe Cousyn  
By order of Inge De Witte  
Certification Manager