

C E R T I F I C A T E
of Conformity



Registration No.: AK 50210207 0001

Report No.: 10033285 001

Holder: **Hyperbola Textile Co., Ltd.**
5F-1, No. 337, Fu-Shin N. Rd.,
Taipei 105
Taiwan, R.O.C.

Product: Textiles
bonded fabric, fluorescent orange-red

Identification: Type Designation: TWS-A580/D3231 (acc. to selected
sub-clauses of EN 471:2003+A1:2007 and EN 343:2003+A1:2007,
ref. to test report)

Remark:
Test specification as listed in the appendix.
For details refer to test report No.10033285 001.


Tested acc. to: see test report

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date 10.08.2011



Certification Body


Dipl.-Ing. A. Klinker

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Appendix to TÜV approved Certificate No.: AK 50210207 01

Certified Product : bonded fabric, fluorescent orange-red
Report number : 10033285 001
Type Designation : TWS-A580/D3231

Test Requirement:

Selected sub-clauses of EN 343:2003+A1:2007 as following.

Water penetration resistance

- material as received according to EN 343:2003+A1:2007 Clause 5.1 (Class 1);
- material after washing according to EN 343:2003+A1:2007 Clause 5.1.3.2 (Class 3);
- material after abrasion according to EN 343:2003+A1:2007 Clause 5.1.3.3 (Class 3);
- material after flexing according to EN 343:2003+A1:2007 Clause 5.1.3.4 (Class 3);
- material after fuel & oil according to EN 343:2003+A1:2007 Clause 5.1.3.5 (Class 3),

Water-Vapour resistance according to EN 343:2003+A1:2007 Clause 5.2 (Class 3),

Tensile strength according to EN 343:2003+A1:2007 Clause 5.3,

Tearing strength according to EN 343:2003+A1:2007 Clause 5.4,

Dimensional change after laundering according to EN 343:2003+A1:2007 Clause 5.5

Selected sub-clauses of EN 471:2003+A1:2007 as following.

Colour performance requirements of new materials & Colour after xenon test according to EN 471:2003+A1:2007 Clause 5.1 & 5.2,

Color fastness to rubbing according to EN 471:2003+A1:2007 Clause 5.3.1,

Color fastness to perspiration according to EN 471:2003+A1:2007 Clause 5.3.2,

Color fastness to hypochlorite bleaching according to EN 471:2003+A1:2007 Clause 5.3.3,

Color fastness to laundry according to EN 471:2003+A1:2007 Clause 5.3.3,

Color fastness to hot pressing according to EN 471:2003+A1:2007 Clause 5.3.3,

Dimensional change after laundering according to EN 471:2003+A1:2007 Clause 5.4,

Tensile strength according to EN 471:2003+A1:2007 Clause 5.5.3,

Tearing strength according to EN 471:2003+A1:2007 Clause 5.5.3,

Water-Vapour resistance according to EN 471:2003+A1:2007 Clause 5.6.2 (Class 3)

Date: August 10, 2011



Certification Body

Dipl.-Ing. A. Klinker