

The image features a white background with three blue squares of varying sizes on the left side. At the bottom left, there is a silhouette of a group of people standing on a rocky cliff, looking out over a bright, hazy landscape. The TUNTEX logo is prominently displayed in the upper right quadrant.

**TUNTEX™**

**TUNTEX  
CONTRIBUTION  
TO WELL V2**

**As** humans, we have always been dependent on our environments, both indoors and outdoors. We spend increasing amounts of time in buildings we create; thus, making sure where we live, work, and eat is beneficial to our health and wellbeing is important. WELL is a leading tool created by the International WELL Building Institute™ (IWBI™) for advancing health and wellbeing in buildings globally; it explores how designs, operations, and behaviours within the places we stay in can be optimised to advance human health and comfort. WELL v2 is the latest updated certification requirement that holds 11 concepts with distinct health intents:



**WELL V2** operates on a points-based system, with a total of 110 points available to each project. Projects must achieve all preconditions as well as certain number of points to earn different levels of certification:



## Your Wellbeing is Important To Us

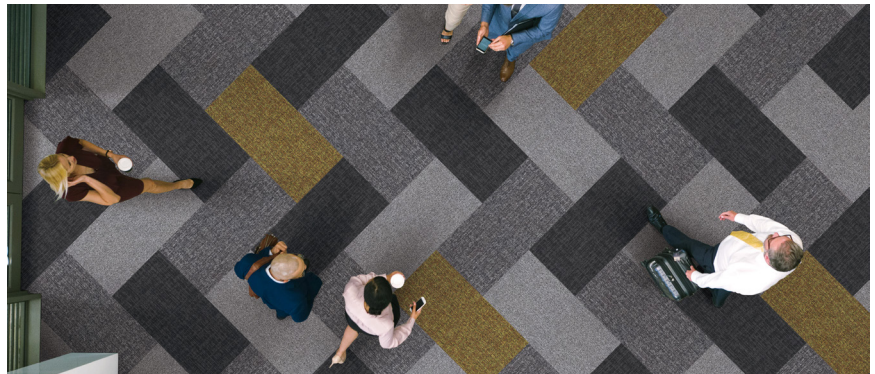
- Tuntex was founded on the mission to not only strive for innovation and quality, but to also contribute to a better environment and genuinely care about its customers. Nowadays, people spend 90% of their time indoors, so the quality of indoor flooring solutions is extremely important when it comes to human health and comfort. With this in mind, Tuntex makes sure its products can advance health and wellbeing in buildings - its vision is to deliver the best flooring solution to any business environment in terms of quality and its impact on end-users physically and mentally.

## Aiming For a Comfortable Indoor Space

- Tuntex values how its customers feel just as much as it values the quality of its products. Tuntex's advanced treatment built in the carpet allows occupants in indoor spaces to feel physically comfortable and spend quality time in clean spaces.

## Breaking Through Misconceptions About Carpets

- When thinking of indoor air quality, many people are convinced carpeted flooring has a negative impact, however it's the opposite. Tuntex understands how important its role is to educate people about the benefits of carpet, which is also why Tuntex aims to help contribute to the WELL certification scoring process by utilising fewer resources and incorporating treatments in Tuntex's products to help the carpets gain resistance against any kind of substance and organisms that might be harmful to human beings.



Credit Category	Tuntex Contribution	Potential Points
<b>[Air]</b> A01 Fundamental Air Quality	<p><b>Part 1:</b> Research conducted by Carpet and Rug Institute(CRI) has proven that carpeted surfaces help control indoor particle matters in the air better than hard surface floors do [1]. With proper maintenance, Tuntex carpets can trap airborne particles and reduce indoor particulate matters at the average breathing height.</p> <p><b>Part 2:</b> Tuntex products hold a CRI Green Label Certification and passed all the individual component VOCs listed in WELL requirements [2].</p>	<b>Precondition</b>
<b>[Air]</b> A05 Enhanced Air Quality	<p><b>Part 1:</b> Research conducted by Carpet and Rug Institute(CRI) has proven that carpeted surfaces help control indoor particle matter in the air better than hard surface floors do [1]. With proper maintenance, Tuntex carpets can trap airborne particles and reduce indoor particulate matters at the average breathing height.</p>	<b>Up to 2pts</b>
<b>[Light]</b> L06 Visual Balance	<p><b>Part 1:</b> Tuntex has a range of 54 colors in a single collection, from dark to light, where Light Reflectance Value (LRV) of black is 0% and white is 100%. Each color can be customized to best respond to the lighting level requirements of any space.</p>	<b>1pt</b>
<b>[Materials]</b> X10 Volatile Compound Reduction	<p><b>Part 1:</b> Tuntex products do not contain any halogenated flame retardant components.</p> <p><b>Part 2:</b> Tuntex products use only non-phthalate materials.</p>	<b>3pt</b>

[1] Source: "CRI White Paper "Carpet and Indoor Air Quality", "Florida School Carpet Indoor Air Quality Study", "The Facts about Carpet and Asthma and Allergy for Dealers and Consumers"

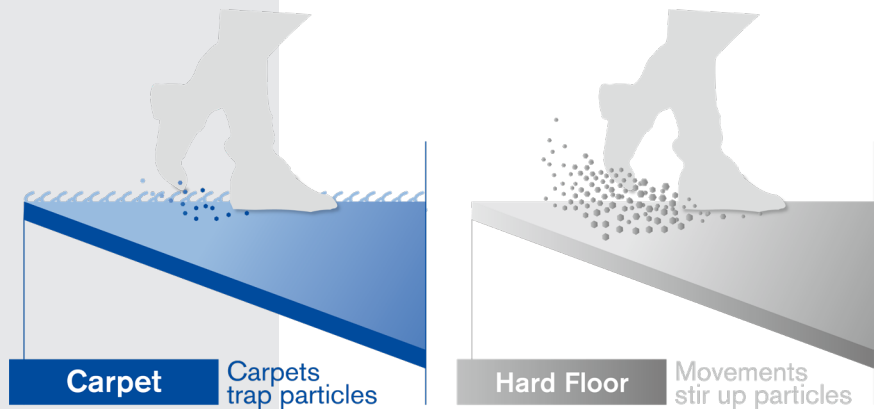
[2] Please refer to page 6 for report details

Credit Category	Tuntex Contribution	Potential Points
<b>[Materials]</b> X11 Long-Term Emission Control	<b>Part 1:</b> Tuntex products hold a CRI Green Label Plus Certification and have been tested and reported according to CDPH/EHLB/Standard Method V1.2 2017 <sup>[2]</sup> .	1pt
<b>[Materials]</b> X12 Short-Term Emission Control	<b>Part 1:</b> Tuntex adhesive passed California Department of Public Health (CDPH) Standard Method v1.1 and met all VOC emission threshold set by the program.  <b>Part 2:</b> Tuntex adhesive passed SCAQMD Rule 1168 and met all VOC emission threshold set by the program.	Up to 3pts
<b>[Materials]</b> X14 Material Transparency	<b>Part 1:</b> Tuntex holds a third party verified Health Product Declaration(HPD).	Up to 2pts
<b>[Innovation]</b> I01 Innovate Well	<b>Part 1:</b> Tuntex Ecofresh is an innovative product designed to help reduce indoor odour. It is a self-renewing technology that neutralises indoor odour by breaking down organic molecules in the air into inert materials. It helps to eliminate common smells from nicotine, ammonia, hydrogen or foods. It is a long-lasting feature embedded in Tuntex carpets that helps to keep a pleasant indoor environment and benefit occupants, both physically and mentally.	Potential 1pt
<b>[Innovation]</b> I02 WELL Accredited Professional	<b>Part 1:</b> Tuntex team has WELL Accredited Professionals to help with your project.	1pt

<sup>[2]</sup>Please refer to page 6 for report details

## CRI Research About How Carpet Helps Trap Airborne Particles Better Than Hard Surface

- One of the biggest misconceptions about carpets is that they are the home of allergens and micro-organisms. But according to research from CRI, carpets actually have the ability to trap allergens, preventing airborne substances from floating around in the air. Floating dander, dust, and other particles are often the cause of allergic responses, so it is beneficial for people with allergies to stay in carpeted rooms, as movements on hard surfaces actually stir up particles easily. CRI conducted experiments with test walkers moving around on hard floors and carpeted floors. The results showed that the rise of particle levels in the air was much more gradual and the peak level 8 times less than that of a hard surfaced floor. Consequently, installing carpet tiles in indoor environments is highly likely a better choice than hard surface floors when considering the impacts on human health and wellbeing.





Tuntex Exclusive:

## ECOFRESH™



Odour Reducer



Safety



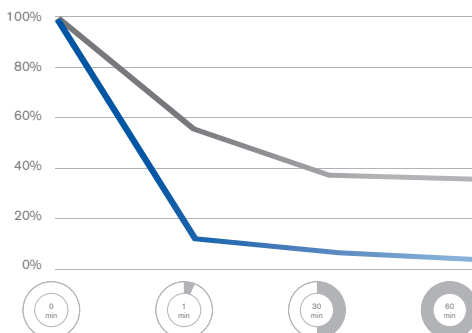
Durability

Tuntex aims for not just sustainable carpet tiles, but it also prides itself on providing its customers a comfortable indoor environment that will last for years. With Ecofresh, a self-renewal odour reducer, Tuntex's carpets help maintain fresh indoor air quality. Tuntex products have the ability to neutralise different types of odours such as smoke/ nicotine, food smell, and so on. With proper airflow conditions in the room, Ecofresh can effectively reduce smell within 15 minutes to 25 minutes, depending on how spacious the space is.



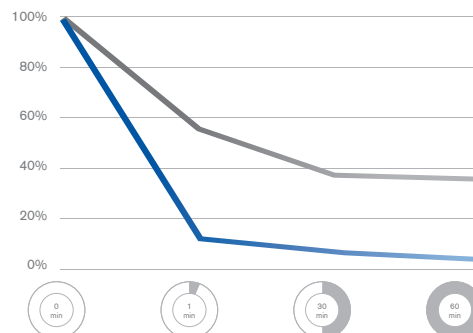
Pyridine (e.g. Nicotine)

— UNTREATED  
— ECOFRESH™



Ammonia

— UNTREATED  
— ECOFRESH™





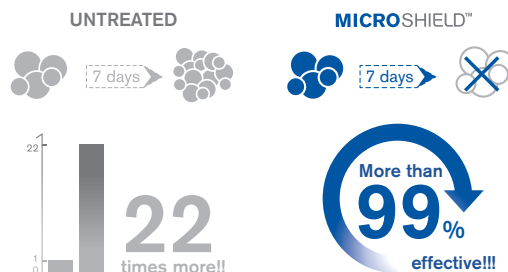
**MICROSHIELD™**



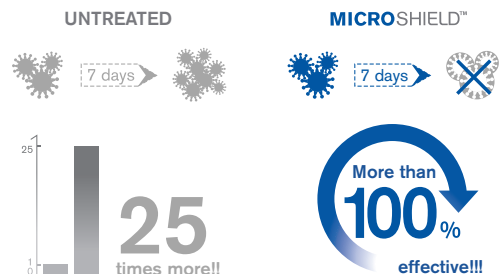
**TUNTEX™**

On top of carpets' built-in ability to trap particles and allergens from floating in the air, Tuntex took an extra step to make sure its products can enhance its customers' health and wellbeing by incorporating Microshield™ in its carpets. Microshield is applied to Tuntex's carpet tiles, providing an anti-microbial function and resisting the growth of microorganisms and mildew.

**\*Staphylococcus aureus AATCC 100 Textile Tests**



**\*Aspergillus Niger AATCC 30 Textile Tests**





Tuntex is the first manufacturer in the carpet industry to receive HPD with a third-party certification. This helps contribute to WELL Materials – Material Transparency.

- Health Product Declaration (v. HPD) Third Party verified by US GreenCircle

RECYCLED TUNTEX Commercial Duraback with Nylon 6 yarn  
by Suzhou Tuntex Fiber and Carpet Co., Ltd.

Health Product  
Declaration v2.1.1  
created via: HPDC Online Builder

CLASSIFICATION: 09 68 13  
PRODUCT DESCRIPTION: RECYCLED TUNTEX™ Commercial Duraback™ is designed with recyclability in mind, being completely free from harmful Volatile Organic Compounds (VOCs). Nylon consumer products (i.e. clothes hangers, backpack, seatbelt etc.) are useful recycled products made from used TUNTEX carpets after the separation of the face yarn from the backing. The backing is then recycled and re-integrated into RECYCLED TUNTEX™ Commercial Duraback™. The whole carpet tile is recyclable and this is a total solution to minimize the environmental burden. The carpet tile serves as a floor covering and can be used in low traffic to high traffic commercial settings. Steam cleaning is recommended for maintenance, with cleaning frequency dependent on use.

Section 1: Summary Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	Characterized <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1000 ppm	<input checked="" type="radio"/> Partially Considered	% weight and role provided for all substances.
Threshold Disclosed Per	<input checked="" type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Material	<input checked="" type="radio"/> Per OSHA MSDS	<input checked="" type="radio"/> Exempted/provided	All substances screened using Priority Hazard Lists with results disclosed.
<input checked="" type="radio"/> Product	<input checked="" type="radio"/> Other	<input checked="" type="radio"/> No Residuals/Impurities	Identified <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No
		<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No	One or more substances not disclosed by Name (Specific or Generic) and identifier and/or one or more Special Condition did not follow guidance.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

RECYCLED TUNTEX COMMERCIAL DURABACK WITH NYLON 6 YARN |  
CALCIUM CARBONATE [REDACTED] POLYVINYL CHLORIDE (PVC) [REDACTED] | RES  
NYLON 6 [REDACTED] BIS(2-ETHYLHEXYL) TEREPHTHALATE [REDACTED] | RES  
POLYETHYLENE TEREPHTHALATE (PET) [REDACTED] WATER [REDACTED] | RES  
ETHYLENE VINYL ACETATE POLYMER (EVAL) [REDACTED] SOLID GLASS AND  
GLASS | MINERAL FIBER (SEE VARIANTS) [REDACTED] | CAN UNDISCLOSED  
[REDACTED] CALCIUM OXIDE [REDACTED] UNDISCLOSED [REDACTED] | PARTIAL  
UNDISCLOSED [REDACTED] | CAN [END ISOPHTHALIC ACID TEREPHTHALIC  
ACID ETHYLENE GLYCOL POLYMER (ISOPHTHALIC ACID  
TEREPHTHALIC ACID ETHYLENE GLYCOL POLYMER) [REDACTED] | RES  
UNDISCLOSED [REDACTED] | CAN CAPROLACTAM [REDACTED] | SKI | EYE |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT  
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 1 for additional findings.  
VOC emissions: Green Label Plus Indoor Air Quality Testing Program  
Recycled content: GreenCircle Certified Recycled Content Certification  
Management: Quality Management System (ISO 9001:2015)  
Management: Environmental Management System (ISO 14001:2015)

RECYCLED TUNTEX Commercial Duraback with Nylon 6 yarn  
hpdreportory.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 1 of 10




Tuntex's adhesive has received 3 ticks from the Singapore Green Building Council, which contributes to the precondition in WELL Materials – Short-term Emission Control.

- Singapore Green Building Product Certificate



Tuntex adhesive passed California Department of Public Health (CDPH) Standard Method v1.1 and met all VOC emission threshold set by the program, which helps obtain up to 3 points in WELL Materials – Short-term Emission Control.

- **US California Department of Public Health (CDPH) Section 01350 Version 1.1 (TUV test)**


**TÜVRheinland®**  
 Precisely Right.

**Products**

**Report No.:** 0154257867a 001 Page 1 of 11

**Client:** SuZhou Tuntex Fiber & Carpet Co.,Ltd.  
No.28 ChengXi South Road,TaiCang,JiangSu,215400 China.

**Manufacturer's name:** SuZhou Tuntex Fiber & Carpet Co.,Ltd.


**Manufacturer ID:** N/A  
**Product name:** Modular Carpet Adhesive  
**Product category:** Adhesive for modular carpet installation  
**Product commercial part no.:** TX-500/TX-2000  
**Product item no.:** N/A  
**Date manufactured:** 2017-06-15  
**Date collected:** 2017-06-15  
**Date shipped:** 2017-06-15  
**Date received:** 2017-06-16  
**Sample no.:** N/A

**Conditioning period start & duration:** 2017-07-06 10days  
**Test period start & duration:** 2017-07-16 96hours

**Test specification:** **Test result:**  
 Customer's requirement:  
 1. CDPH/ EHLB/ Standard Method Version 1.1 – California Specification 01350 Please refer to page 4 – 8

**Other information:**  
 Manufacturer's recommended coverage:10~15m<sup>2</sup>/L

For and on behalf of  
 TÜV Rheinland (Shanghai) Co., Ltd.



2017-07-27 Jet Lee / Department Manager

Date Name/Position

Test result is drawn according to the kind and extent of tests performed.  
 This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

- **AWTA Product Testing – Evaluation of Volatile Organic Compound Emissions**

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

A.B.N 43 006 014 108

1st Floor, 101 Roperstone Road, Roperstone, Victoria 3601

P.O. Box 260, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2409

## TEST REPORT

**Client:** Victoria Carpet Co Pty Ltd  
7-9 Gladstone Road  
Dandenong VIC 3175

**Test Number:** 15-03-042  
**Issue Date:** 27/08/2015  
**Print Date:** 1/09/2015

Test specimen size	800x400 mm
Test time	24 hrs
Test temperature	28 °C
Test humidity	60 %
Loading basket	5.4 t/m <sup>2</sup>
Air exchange	1 /h
Said and test	Sealed with aluminium foil, and the back side of test specimen was placed on an iron glass plate to determine the emission of upper surface

### Remarks:

1. Formaldehyde and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOC's substances were detected by Gas chromatography/Mass spectrometry method.

2. In this Gas chromatography/Mass spectrometry method, the scan mode of SIM was employed for capsaicinum detection, and TIC for others.

Tested by AWTA-ZJJC AusWool Testing Co Limited - China.

34119

7075

Page 2 of 2

© Australian wool testing Authority Ltd  
10/01/15 10:00 AM

Signature and test results description have been provided by the client after examination and approval of test results. In order of reference, this is the first of two pages of the report. The second page contains the test results and the test results have been signed by the client.

The signature and test results have been signed by the client and the test results have been signed by the client.

This document is the property of the client and the client is not to be used for any other purpose.

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02/01/15

APPROVED SIGNATURE

AWTA LIMITED

# THIRD PARTY RECOGNITION

- **CRI Green Label Plus Certificate**

In 2008, Tuntex became the first local carpet manufacturer to be awarded the coveted Green Label Plus certification, by the Carpet and Rug Institute (CRI) in the US. CRI certified products can help get 1 point under Materials – Long-Term Emission Control.



- **Air quality – VOC test results**

Tuntex carpets passed the CRI Annual Test on VOC Air Quality certified by UL, which evaluates the chemicals emitted by flooring products.

**TUNTEX™**

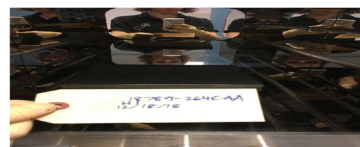


Released by UL Environment  
Date Issued: January 8, 2016  
Product ID #: 18786-2842AA  
Test Report #: 18786-280  
©2016 UL LLC

THE CARPET & RUG INSTITUTE, INC. GREEN LABEL PLUS PROGRAM 24 HOUR ANNUAL TEST			
MEETS CRITERIA	✓	EXCEEDS CRITERIA	
CRI Identification	20181027-JA38 17X		
Date Collected	November 13, 2018		
Date Received	November 18, 2018		
Testing Laboratory Location	UL Environment • 2211 Newmarket Parkway • Marietta GA 30067-9399 USA		
Test Date	12/17/2018 - 12/18/2018		
Product Area Exposed	one-sided area = 0.0361 m <sup>2</sup>		
Chamber Volume	0.0870 m <sup>3</sup>		
Product Loading Ratio	0.41 m <sup>2</sup> /m <sup>3</sup>		
Test Chamber Conditions	Air change rate: 1.00 ± 0.05 1/h Inlet air flow rate: 0.0870 ± 0.004 m <sup>3</sup> /h	Temperature: 22.3°C - 23.0°C Relative Humidity: 50% RH ± 5%	
Test Method	ISO-EN-9001 - Method for the Evaluation of Chemical Emissions from Flooring Products Using Dynamic Environmental Chambers		
Released by	Allison M. McFry Chemistry Laboratory Director		

\*The temperature range specification is 23°C ± 1°. The actual temperature range listed above may vary slightly. If this range is outside this specification, data may be reviewed to ensure a negative impact did not occur.  
Tested and reported according to CRI/EN-1507 Method v1.2 2017 and ASTM Standards D 516-17 and D 7333-18 following UL Environment's "Standard Method for the Evaluation of Chemical Emissions from Flooring Products Using Environmental Chambers." Sample tested in accordance with the CRI Green Label Plus Program, and the results are presented in Tables 1, 2, and 3 for the evaluation for compliance as stated in The Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers.  
Standard Test Methodology for Determining Volatile Organic Compound Emission Factors from Carpet and Associated Materials under Defined Test Conditions Using Small Environmental Chambers, based on EPA Carpet Policy Change Method accepted September, 1991 and reviewed by CA-DHS.  
This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation AT-267.  
The environmental chamber inlet air flow is 1.5 ± 0.1 l/min/minute.

#### PHOTOGRAPH OF SAMPLE



This report shall not be reproduced, except in full, without permission from UL. Results contained within this report only apply to the actual product tested under the testing conditions documented in this report.

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FAX: +86 21 62596265  
EMAIL: [marketing@tuntexcargpet.com](mailto:marketing@tuntexcargpet.com)

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**(Europe, Middle East, Africa and India)**

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TEL: + 44 7836 506105  
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Official Website



Official Wechat