



Global **GreenTag**
International Pty Ltd



AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

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Manufacturer Story

With a 58-year history in New Zealand, Autex has a global presence, supplying a diverse and sophisticated range of products to the architecture, design, and building industries. Autex is a fibre pioneer. Creating designer products to positively transform people's experience in the built environment. Whether it's through recycled PET, or renewable natural materials, Autex delivers solutions that architects, interior designers, and end-users value in the spaces they create and inhabit. Autex's materials and products bring together years of dedicated expertise with relentless innovation and a desire to make a positive difference to this planet and its people.

Product Description

Embrace™ Stretch Wool is a carbon sink textile fabric made with Rubisco® natural materials from New Zealand strong wool. The woven structure provides a soft, malleable quality, making it a versatile choice for walls and screen furnishings.



Let's GO

Declaration Summary

NaturePositive+

Build material world in balance and harmony with nature

AUTEX INDUSTRIES LTD Embrace Wool Felt Panels

Product or Range Name:

Embrace Wool Felt Panels

Life Cycle Scope:

Cradle to Grave

Licensed Site: 702/718 Rosebank Road, Avondale, Auckland 1026 New Zealand

Licence Number: AUT:AN01:2025:NP

Licence Date: 16 May 2025

Revision Date: 16 May 2025

Valid to : 16 May 2026



Summary

Percentage Assessed:

100%

Declaration Limit:

100 ppm

Circularity

Eco-toxicity

Human-toxicity

Biodiversity

Climate

Water

**Life Cycle
Benefits/Impacts Ratio**

Ethical Supply Chains
(ILO Compliance & Modern Slavery)

Social Benefits
(Social & Indigenous)

Innovation

Z
E
R
O

I
M
P
A
C
T

SCORE

42%

95%

95%

30%

11%

7%

40%

100%

30%

100%

Declared by: Global GreenTag International Pty Ltd

The Global GreenTag NaturePositive+ Declaration has been designed to; provide substantially greater transparency of products' impacts and benefits to society and nature, facilitate an easier industry understanding of risks (if any) associated with any certified product/s, and start redressing the current and historical human impacts on climate and nature.

David Baggs
Chief Executive Officer

Dr Nana Bortsie-Aryee
Program Director



Summary Report



Autex Industries Ltd
Embrace Wool Felt Panels



1. CIRCULARITY

Overall Material Circularity (CTI) Score: = +42



Material Inputs Recycled/Virgin

Post Industrial recycled input	= 0%
Virgin material inputs	= 100%
Total = 100%	



Material Outputs

Repairable, refurbishable, manufacturable or recyclable	= 100%
Non Recoverable outflow	= 0%
Total = 100%	



Technical vs Biological Cycle Content

Biological Cycle Materials VS	= 99.5%
Technical Cycle Materials	= 0.5%



Technical vs Biological Cycle Content

NO	Product Stewardship Program (PSP)
YES	Spare Parts Availability (where relevant)
NO	Serviceable or Service Network? (where relevant)
YES	Warranty

2. TOXICITY

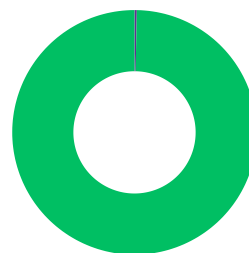
Overall Toxicity Score: = +190

2A) HUMAN HEALTH TOXICITY RISK ASSESSMENT = +95

Human Health Hazard Risks
H-Statements:

Percentage
of product

	Level 1 – Acute & bio-accumulative risks	= 0.02%
	Level 2 – Chronic & mild bio-accumulative risks	= 0%
	Level 3 - Minor Risks only	= 0%
	Level 4 – Safe: no known risks	= 99.98%

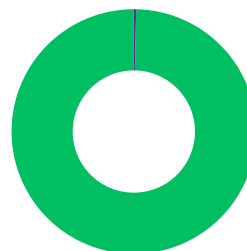


2A) HUMAN HEALTH TOXICITY RISK ASSESSMENT = +95

Ecotoxicity Hazard Risks
H-Statements:

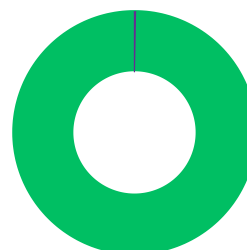
H-Statements:

	Level 1 – Acute & bio-accumulative risks	= 0.02%
	Level 2 – Chronic & mild bio-accumulative risks	= 0.45%
	Level 3 – Minor Risks Only	= 0%
	Level 4 - Safe: no known risks	= 99.53%



3. BIODIVERSITY = +30

	Bio-Based Material	= 99.5%
	Non Bio-Based Material	= 0.5%
	Total Score for Bio-Based Material	= 30
	Total Score for Non Bio-Based Material	= -0.375



4. CLIMATE IMPACT CarbonRATE Results: =+11.34 =0.89%

Renewable Energy	= 0 %
Fossil Fuel	= 13.27 %
Upfront Carbon	= 40.76 %
Wind	= 0 %
Solar	= 0 %
Thermal	= 0 %
Wave	= 0 %
Biological Carbon	= 45.97%



Offsets:

Carbon only (Renewables) Type/s:	= 0 kgCO ₂ e/Result
Offsets: Carbon drawdown	= 0 kgCO ₂ e/Result

5. LIFE CYCLE BENEFIT TO IMPACT RATIO: = +40

LCA: ReCiPe Eco-indicator	= 40%
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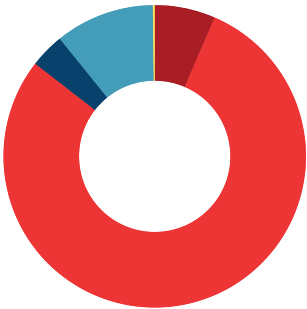
Note: Benefits are directly related to impacts of same indicator.
This result shows benefits are 40 % greater than impacts.

6. Water Footprint :

Final Score = 7%

Water source by use (Cradle to Fate/Kg)

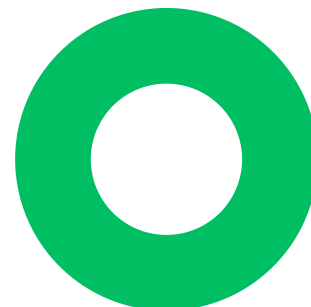
	Percentage
Public Supply	= 6.5%
River	= 79%
Sea	= 3.7%
Unspecified	= 10.6%
Well	= 0.2%
Total	= 100%



7. ETHICAL SUPPLY CHAINS

ILO Compliance = +100

 NO
 YES



YES		Freedom of Association and Protection of the Right to Organise Convention, 1948 (No. 87)
YES		Right to Organise and Collective Bargaining Convention, 1949 (No. 98)
YES		Forced Labour Convention, 1930 (No. 29) (and its 2014 Protocol)
YES		Abolition of Forced Labour Convention, 1957 (No. 105)
YES		Minimum Age Convention, 1973 (No. 138)
YES		Worst Forms of Child Labour Convention, 1999 (No. 182)
YES		Equal Remuneration Convention, 1951 (No. 100)
YES		Discrimination (Employment and Occupation) Convention, 1958 (No. 111)
YES		Occupational Safety and Health Convention, 1981 (No. 155)
YES		Promotional Framework for Occupational Safety and Health Convention, 2006 (No. 187)

8. SOCIAL BENEFITS = +6

- 8a) Social Benefit Outcomes not applicable.
8b) Indigenous Engagement Benefits is rated 'high' and given maximum score for engagement with local indigenous companies.

9. INNOVATION = +10

The innovation inherent in Embrace Wool Felt Panels is rated 'High' and given the maximum score for 'Leadership in Innovation' for the following reasons.



1.

CIRCULARITY

AUTEX 

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Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

1. CIRCULARITY

Overall Material Circularity (CTI) Score: = +42

Material Inputs Recycled/Virgin

	Post consumer/ industrial recycled input	= 0 Kg/ Kg product
	Virgin material inputs	= 1 Kg/Kg product
	Scrap to re-use	= 0 Kg/ Kg product
	Scrap to landfill	= 0 Kg/Kg product
	Scrap to energy	= 0 Kg/ Kg product
		Total = 1 Kg



Material Outputs/Circularity

	Repairable, Refurbishable, Manufacturable or Recyclable	= 1 Kg/Kg product
	Non Recoverable Outflow	= 0 Kg/Kg product
		Total = 1 Kg



Technical vs Biological Cycle Content

	Technical Cycle Materials vs	= 0.005 Kg
	Biological Cycle Materials	= 0 .995Kg



Technical vs Biological Cycle Content

NO	Product Stewardship Program (PSP)
YES	Spare Parts Availability (where relevant)
NO	Serviceable or Service Network? (where relevant)
YES	Warranty

2.

TOXICITY



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2. TOXICITY

Banned Ingredients

- Substances of Very High Concern (SVHCs) - under EU's REACH;
- Pesticide & Industrial Chemicals (PICs) - under Rotterdam Convention Annex III;
- Persistent Organic Pollutants (POPs) – under Stockholm Convention;
- Ozone Depleting Substances - under Montreal Protocol (Annex A, B, C or E);
- Fluorinated Hydrocarbons (excepting some specific external coating and load bearing exceptions e.g., roofing, bearings etc.);
- 'Substances which must not form part of the composition of cosmetics' – under EN 1223:2009 Annex II;
- Cosmetics 'Conditionally Excluded chemicals' – under EN 1223:2009 Annex III;
- Brominated Fire Retardants;

2A) HUMAN HEALTH TOXICITY RISK ASSESSMENT = +95

Human Health Hazard Risks

H-Statements:

	Percentage of product	Weight
 Level 1 – Acute & bio-accumulative risks	= 0.02%	= 0.0002Kg/Kg product
 Level 2 – Chronic & mild bio-accumulative risks	= 0%	= 0 Kg/Kg product
 Level 3 - Minor Risks only	= 0%	= 0 Kg/Kg product
 Level 4 – Safe: no known risks	= 99.98%	= 0.9998 Kg/Kg prod-

2A) HUMAN HEALTH TOXICITY RISK ASSESSMENT = +95

Ecotoxicity Hazard Risks

H-Statements:

H-Statements:

 Level 1 – Acute & bio-accumulative risks	= 0.02%	= 0.0002 Kg/kg product
 Level 2 – Chronic & mild bio-accumulative risks	= 0%	= 0 Kg/ Kg product
 Level 3 – Minor Risks Only	= 0%	= 0 Kg/ Kg product
 Level 4 - Safe: no known risks	= 99.98%	= 0.9998 Kg/Kg product

Additional Notes:

The products have successfully passed the relevant GreenTag Standard's Cautionary Assessment Process and no issues of concern or red lights comments exist regarding the toxicity of the products

Ecotoxicity Health benefit has been identified as 1.8E-07 HALY.

2C) PRODUCT HEALTH DECLARATION

GLOBAL GREEN TAG INTERNATIONAL PTY LTD



Autex Industries Ltd / Autex Pty Ltd

Embrace

Embrace™ Stretch Wool is a carbon sink textile fabric made with Rubisco® natural materials from New Zealand strong wool. The product is suitable for internal applications such as walls and screen furnishings

Products/Ranges: Embrace - Stretch Wool - 4mm
Product Stages Assessed: Manufacturing + In-Use
Product Type: Acoustic Panels
CSI Masterformat: 09 84 14
Licenced Site/s: Auckland, New Zealand
Licence Number: AUT:AN01:2025:PH
Licence Date: 16th May 2025
Valid To: 16th May 2026
Standard: GGT International v4.1
Screening Date: 14th April 2025
PHD URL: www.globalgreentag.com/certificate/2948



PHD Summary

Percentage Assessed: 100%

Inventory Threshold:

100ppm Product Level

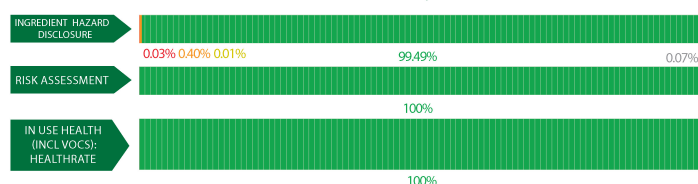
Inventory Method:

Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED™ Material Transparency & Optimization credits included below:
- Meets IWBI™ WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 11 (Part 1, 5); Feature 25 (Part 1, 2, 3, 4, 5), and, meets IWBI™ WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X01 (Part 1, 2, 3); X05 (Part 1, 2); X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED™ v4.0 and v4.1 Rating Tool Credit as Recognized for MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass. See over for explanation.

ASSESSMENT:



Declared by:
Global GreenTag
International Pty Ltd

David Baggs
CEO

Verified compliant with:
ISO 14024 & ISO 17065

Embrace, Autex Pty Ltd, www.globalgreentag.com/certificate/2948

1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risks associated with any certified products, and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for final product throughout the product life cycle (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

- substances used or created during the manufacturing process unless they remain in the final product; or
- substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH, GoldHEALTH or PlatinumHEALTH) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or Cleaning Products Standard v1.1/1.2 and above Program Rules.

1.3 External Peer Review

Every GGT PHD is independently peer-reviewed by an external Consultant Toxicologist and Member of the Australasian College of Toxicology & Risk Assessment.

2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients, such as LEED[®] v4.0 & v4.1, WELL[®] v1.0 & v2.0, Green Star[®] the following information is declared from the audit:

Colour	Ingredient Hazard Disclosure
Green	Level 4 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects.
Orange	Level 2 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns.
Yellow	Human Health Comment The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk.
Orange	Issue of Concern or Issue of Concern Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk.
Red	Red Light Comment or Red Light Comment Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk.
Dark Red	Red Light Exclusion The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2

Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.

The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Wool	Natural fibre	85-100%	None	OK				There are no identifiable risks associated with this substance in the final product. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Flame retardant	0.01-1%	H301, H318	OK				This substance is toxic if swallowed and may cause serious eye damage, primarily during the manufacturing stage. However, the manufacturing facility has health and safety policies and procedures in place to minimise these risks. The substance is embedded in the final product. In this stage it is less harmful to the end users. Recycled Content: None Nano Materials: Unknown
Dyes								
Proprietary Substance	Azo dye, Chromate complex	<0.01%	H411	OK				The substance is toxic to aquatic life with long lasting effects. The manufacturing facility has EMS policies in place to reduce the risks. The substance is present in minor quantity in the final product and is chemically bonded. There are no identifiable risks to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Azo dye, Cobalt complex	<0.01%	H412	OK				The substance is toxic to aquatic life with long lasting effects. The manufacturing facility has EMS policies in place. The substance is present in minor quantity in the final product and is chemically bonded. There are no identifiable risks to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Azo dye, Chromate complex,	<0.01%	H411 H317	OK				The substance may cause skin irritation. It is also toxic to aquatic organisms. The manufacturing facility has EMS policies in place to reduce the risks. The substance is present in minor quantity in the final product and is chemically bonded. There are no identifiable risks to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Modified Lignin	<0.01%	H319, H335	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Sodium chloride	14762-51-7	<0.01%	None	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown

3 Product Health Declaration

PHD

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Proprietary Substance	Azo dye, chromate complex	<0.01%	H411, H410, H317, None, H400	OK				The substance may cause skin and eye irritation, and respiratory issues from inhalation of dust. It may also lead to skin sensitisation. The compound is harmful to aquatic life and should be handled carefully to prevent environmental contamination. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: Unknown Nano Materials: Unknown
Proprietary Substance	Azo dye, chromate complex	<0.01%	H319, H317	OK				The unreacted substance may cause eye or skin irritation. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: Unknown Nano Materials: Unknown
Proprietary Substance	Azo dye, chromate complex	<0.01%	None	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Azo dye, chromate complex	<0.01%	H302, H411, H319	OK				The unreacted substance may cause eye irritation. It is also toxic to aquatic organisms. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: Unknown Nano Materials: Unknown
Proprietary Substance	Azo dye, chromate complex	<0.01%	H411, H319	OK				The unreacted substance may cause eye irritation. It is also toxic to aquatic organisms. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: Unknown Nano Materials: Unknown
Proprietary Substance	Sulphonated polymer	<0.01%	None, H412, H302, H312, H319, H315	OK				The unreacted substance may cause eye or skin irritation. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown

4. Product Health Declaration



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Proprietary	Dispersant	<0.01%	H319, None, H315, H412, H318	OK				The unreacted substance may cause eye or skin irritation. It is toxic to aquatic organisms. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Sodium carbonate	497-19-8	<0.01%	H319	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Azo dye, Cobalt complex	<0.01%	H319, H317, H410, None, H400, H315, H318, H320, H411	OK				The unreacted substance may cause eye or skin irritation. It is toxic to aquatic organisms. The risks are more during the manufacturing stage. The manufacturing facility has OHS and EMS policies in place to reduce these risks. There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Azo dye, chromate complex	<0.01%	H411, H317	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Mothproof								
Proprietary Substance	Synthetic pyrethroid insecticide	<0.01%	H332, H302, H317, H400, H410	OK				The substance is suspected to be carcinogenic to humans. It is toxic to humans if swallowed and also to aquatic organisms with long lasting effects. The manufacturing facilities has OHS and EMS policies in place to reduce the risks during manufacturing stage. The substance present in trace quantities in the final product. The hazard exposure to end users are unlikely. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Solvent	<0.01%	H319	OK				The substance may cause serious eye irritation. The risks are more during the manufacturing stage. The manufacturing facility has OHS policies in place to reduce these risk. It is recommended to use PPE while handling the substance. There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Insect resist agent	0.01-1%	None	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown

Mothproof								
Proprietary Substance	Insect resist agent	0.01-1%	None	OK				There are no identifiable risks associated with this substance to the end users. Recycled Content: None Nano Materials: Unknown"
Process agent								
Bis(hydroxylammonium) sulfate; hydroxylamine sulfate (2:1)	Optical brightener process agent	0.01-1%	H290, H351, H312, H302, H373, H315, H319, H317, H400	OK				The substance is carcinogenic to humans. It may also cause eye, skin or respiratory irritation. The substance is toxic to humans and aquatic organisms. The risks are higher during the manufacturing stage. The manufacturing facility has OHS and EMS policies in Place. Autex is ISO 14001 certified. The substance is not present in the final product as such. There are no identifiable risks for the end users. Recycled Content: None Nano Materials: Unknown

H290 – Corrosive to metals,
H301 – Toxic if swallowed,
H302 – Harmful if swallowed,
H312 – Harmful in contact with skin,
H315 – Skin irritation,
H317 – Allergic skin reaction,
H318 – Serious eye damage,
H319 – Eye irritation,
H320 – Eye irritation (non-GHS),
H332 – Harmful if inhaled,
H351 – Suspected of causing cancer,
H373 – Organ damage (prolonged exposure),
H400 – Very toxic to aquatic life,
H410 – Very toxic, long-lasting aquatic effects,
H411 – Toxic, long-lasting aquatic effects,
H412 – Harmful, long-lasting aquatic effects.



3.

BIODIVERSITY

AUTEX 

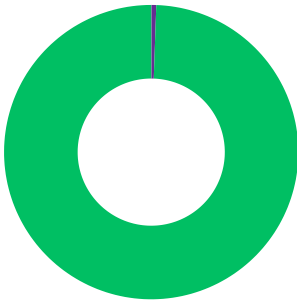
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New Zealand

3. BIODIVERSITY = + 30

Autex designed and developed Embrace Wool felt incorporating natural material to create innovative designs.

Material Score

 Bio-Based Material	= 0.995 Kg/Kg product
 Non Bio-Based Material	= 0.005 Kg/Kg product
Total Score for Bio-Based Material	= 30
Total Score for Non Bio-Based Material	= -0.375





4.

CLIMATE
(UPFRONT CARBON)

AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

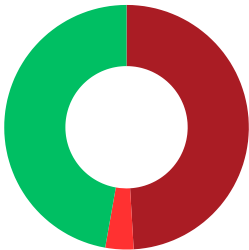
4. CLIMATE IMPACT

CLIMATE IMPACT Score
CarbonRATE Results:

= 11.34
0.88%

- Renewable Energy
- Fossil Fuel
- Upfront carbonn
- Wind
- Solar
- Thermal
- Wave
- Biological Carbon

= -8.6 kgCO₂ e/kg product
= 2.8 kgCO₂ e/kg product
= 0 kgCO₂e/kg product
= 0 kgCO₂e/kg product
= 0 kgCO₂e/kg product
= 0kgCO₂e/kg product
= -9.7 kgCO₂ e/ kg product



Offsets:

- Carbon only (Renewables) Type/s:
- Offsets: Carbon drawdown

= 0 kgCO₂e/Result product
= 0 kgCO₂e/Result

No Additional Notes

5.

EPD
EPD:BA

AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

6. Life Cycle Benefit To Impact Ratio

Final Score: +40%

The complete Environmental Product Declaration (EPD) and the Benefit Addendum Report by the Evah Institute can be accessed in the following link :

<https://www.globalgreentag.com/certificate/2949>



Environmental Product Declaration
ISO 14025 EN15804+A2 2019 Compliant for
Autex Acoustics® Wool Felt Panels and Tiles



EcoPlatform EPD Reference No.	AX01 2025EP
EPD Registration No.	AX01 2025EP
Issue Date	03 Mar 2025
Valid Until	03 Mar 2030
EPD Type	Cradle to grave
Geographical Scope	New Zealand to global market





6.

WATER FOOTPRINT

AUTEX 

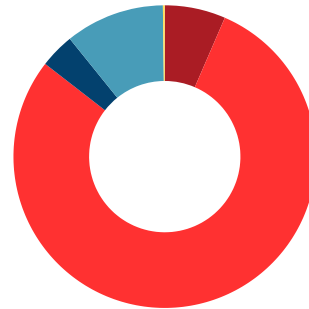
Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

6. Water Footprint

Final Score: 7%

Water source by use (Cradle to Fate/Kg) Percentage

	Public Supply	= 6.5%
	River	= 79%
	Sea	= 3.7%
	Unspecified	= 10.6%
	Well	= 0.2%
	Total	= 100%



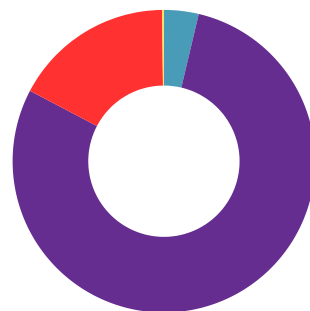
6. WATER CIRCULARITY AND BALANCE

Water used for the manufacturing process

% Water Circularity	= 58.65
% Circular Water Inflow	= 100
% Circular Water Outflow	= 17.3

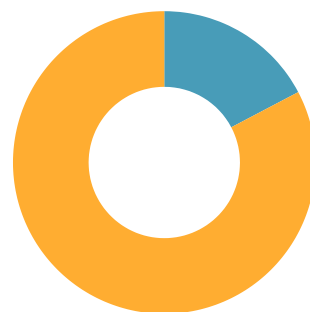
Water Inflow

	Amount (%)
Circular	
 Collected Rainwater	= 0%
 Seawater	= 3.7%
 Water from the local watershed, Surface water (rivers, ponds, lakes, reservoirs) and ground water wells	= 79.2%
 Others	= 17.1%
Linear	
 Fossil Water (Linear)	= 0%



Water Outflow

	Amount (%)
Circular:	
 Water is being recycled for beneficial use such as for agricultural, municipal or industrial purposes	= 0%
 Water returned to local watershed (appropriate quality that makes it readily available for environmental, social, agricultural or industrial purposes.	= 17.3%
 Product water that stays within the local basin	= 0%
Linear	
 All water NOT returned to the local watershed (evaporation, contained in waste products (i.e. sludge etc.)	= 82.7%
 Water returned to local watershed (inappropriate quality)	= 0%
 Water that is discharged into the sea	= 0%





7.

ETHICAL SUPPLY CHAINS

AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

7. ETHICAL SUPPLY CHAINS = 100

7A) International Labor Organisation (ILO) Compliance

 Compliance with ILO Conventions = 100%



YES		Freedom of Association and Protection of the Right to Organise Convention, 1948 (No. 87)
YES		Right to Organise and Collective Bargaining Convention, 1949 (No. 98)
YES		Forced Labour Convention, 1930 (No. 29) (and its 2014 Protocol)
YES		Abolition of Forced Labour Convention, 1957 (No. 105)
YES		Minimum Age Convention, 1973 (No. 138)
YES		Worst Forms of Child Labour Convention, 1999 (No. 182)
YES		Equal Remuneration Convention, 1951 (No. 100)
YES		Discrimination (Employment and Occupation) Convention, 1958 (No. 111)
YES		Occupational Safety and Health Convention, 1981 (No. 155)
YES		Promotional Framework for Occupational Safety and Health Convention, 2006 (No. 187)

Notes section

7B. MODERN SLAVERY RISK ASSESSMENT

Modern Slavery Transparency Declaration



Autex Industries Ltd / Autex Pty Ltd | Embrace Wool Felt Panels

Embrace™ Stretch Wool is a carbon sink textile fabric made with Rubisco® natural materials from New Zealand strong wool. The product is suitable for internal applications such as walls and screen furnishings. Embrace Stretch Wool is manufactured using New Zealand strong wool sourced from a single NZFAP+ certified farm.

Products Covered:

Embrace - Stretch Wool - 4mm, various colours and 1.65m x 24m size

Licence Site/s: Auckland, New Zealand
Licence Number: AUT:AN01:2025:MS
Verification Date: 29th April 2025
Valid to: 29th April 2026

This declaration is a part of company's Modern Slavery Statement and hence it is to be read in conjunction with other documents.

Overall Weighted Score			
0.53			
Data Quality Score	Risk Assessment Results	Average Score	
1	DECEPTIVE RECRUITING	0.5	0.67
1	TRAFFICKING	0.5	0.67
1	SERVITUDE	0.5	0.67
1	FORCED LABOUR	0.5	0.75
1	FORCED MARRIAGE	0.5	0.67
1	DEBT BONDAGE	0.5	0.67
1.33	CHILD LABOUR	0	0.67
0.25	DISCRIMINATION	0.83	0.49
-2	EQUAL REMUNERATION	0	-0.8
0.75	FREE ASSOCIATION + COLLECTIVE BARGAINING	1.33	0.83
Weight Total			0.53
Compliance			

Company Structure Description:

Autex Acoustics is a family founded company originating in New Zealand, with established operations in New Zealand, Australia, the United States, and the United Kingdom. Autex is committed to supporting environmental stewardship and social responsibility. Autex maintains a sustainable procurement programme that includes a Supplier Screening Questionnaire, a Supplier Code of Conduct, and Anti-modern Slavery Policy. This programme prioritises suppliers who actively promote environmental protection, human health, and ethical labour practices.

Company MS Statement: Yes Company MS Policy: Yes

Overview Of Product Supply Chain Assessment

2	100%	100%
Of direct suppliers	Of suppliers evaluated	Suppliers risk assessed/ desktop assessed
0	100%	0
No of suppliers at High Risk	Suppliers audited (announced/ unannounced)	Cases of non-conformance/ modern slavery

Content Declared Accurate for and on behalf of:

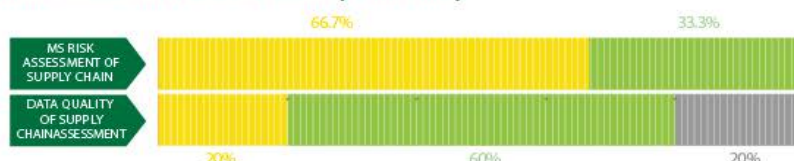
Autex Industries Ltd / Autex Pty Ltd


Jonathan Mountfort
Creative Director



Content Verified by:
Global GreenTag International Pty Ltd

Risk Assessment & Data Quality Summary



ASSESSMENT BASED ON 1% INCREMENTS ACCORDING TO COLOUR CODE KEY ON PAGE 2 & 3.


Dr Nana Bortsie-Aryee
Program Director


David Baggs
Chief Executive Officer

Verified by GLOBAL GREEN TAG INTERNATIONAL PTY LTD

7B. MODERN SLAVERY RISK ASSESSMENT

Verification Methodology

1.0 Scope

The Global GreenTag's Modern Slavery Product Declaration is a facilitation service designed to provide the subject company with an additional level of robustness to their declaration in compliance with Modern Slavery Acts that:

- Provides a third party verified Modern Slavery assessment of product supply chains to the extent possible;
- Provides assessment transparency and gives a quick evaluation overview;
- Uses simple easy to understand colour keys to explain risks;
- Identifies Modern Slavery risks and how they are mitigated (or not);
- Promotes and recognises manufacturers and suppliers willing to be 100% transparent as the Leaders they are;
- Provides plain language explanations of any recognised or assumed Modern Slavery in the supply chain;
- Provides guidance on the 'level of reliability' attached to risk assessments undertaken from 'onsite audit' to 'research based' verification;
- Provides reporting suitable for aggregating into company level reports for companies caught by relevant Acts, especially for companies with large procurement portfolios and mandatory legislative reporting requirements.

The GreenTag MSD is ultimately the subject Company's Modern Slavery declaration on their product Supply chain and is declared as such by a competent public officers of the subject company.

2.0 Preparing MSD

GGT MSD are prepared after reviewing numerous documents including, but not limited to, the Australian Government's guidance for reporting entities, UK Modern Slavery Act, QLD HRA, Australian Council of Superannuation Investors' (ACSI) Modern Slavery Risks, Rights & Responsibilities, and ETI and ERGON's Managing Risks Associated with Modern Slavery: A Good Practice Not for the Private Sector. Verifications are undertaken by GGT Qualified Exemplar Global Lead Auditors and are reviewed by both the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) and the subject Company's Executive Management.

3.0 Assessment

Global GreenTag will map product supply chain and collect evidence from the supply chain to the extent possible. Company and its suppliers are requested to submit their procurement policies, quality statements, corporate policies, employment policies and contracts, Non-conformance registers, Human Resource policies, Modern Slavery policy, etc. These documents are reviewed and an explanation on any identified MS issues is requested from company/supplier. Based on the information and further evidence received from Company and its suppliers, Global GreenTag will verify each supplier and determine their compliance to MS from 'Low Risk to 'Undetermined Risk', see table 1 for 5 scale code. The data quality of the supply chain assessment will be classified from 'Onsite audit' to 'No data available or Obscure Supply Chain', see table 2

Table 1: MS Risk Assessment of Supply Chains

Risk Identified	Colour
Best Practice Performance - Supplier has really strong policies in place to avoid Modern Slavery and reports transparently on any non-conformances. Suppliers have demonstrated history of strong positive performance outcomes achieved. Improvement on a previously non-compliant situation or the absence of negative impacts are not regarded as positive impacts.	+2
Low Risk - Supplier has strong policies in place to avoid Modern Slavery and reports transparently on any non-conformances. Improvement on a previously non-compliant situation or the absence of negative impacts are not regarded as positive impacts.	+1
Compliance - Supplier have no conflicting policies related to Modern Slavery. Suppliers are compliant to local laws and international ILO core 8 conventions. Any identified 'Modern Slavery non-conformances*' has been actioned and are committed to put stronger policies in place.	0
Medium Risk - Suppliers have commitment to avoid Modern Slavery. The identified local law non-conformances has been actioned and are committed to put stronger policies in place. The policies are improving.	-1
High Risk - Suppliers identified with conflicting Modern Slavery policies in place and has high risk of potential MS activities or identified MS activities without any further actions to prevent it. Identified non-conformance to local law or MS without any actions to improve the situation.	-2
Undetermined Risk (Risk Indeterminable) - No or insufficient data to conclusively determine Modern Slavery	-2

Table 2: Data Quality of Supply Chain Assessment

Criteria	Data Source		Timeliness	Representativeness
Score	Primary Data	Secondary Data		
+2	Audit - Onsite	Report from well-established, well-documented reliable sources	Data from current period	Data directly from the company/ source/ supplier
+1	Audited - Desktop. Statutory declarations with supporting documents as evidence	Report from a well-established, well-documented reliable source	Data from previous year	Data from other sites of the company in same region
0	Statutory declarations cross-checked with region based research/ secondary reports	Independent but similar claims made by various sources	Data from 2 years ago	Data from other sites of the company in other regions
-1	Research based data	Research based data. Unverifiable claims found on websites, twitter, social media, etc	Data from 3 years ago	Data from other companies in same region/ area/ production conditions
-2	No data available or Obscure supply chain. Assumption based	No data available or obscure supply chain. Assumption based	Timeline unknown or more than 3 years ago	Average country data / average industry data / data from third parties

Above tables 1 and 2 are adapted and adopted from Social LCA methodology.

Autex Industries Ltd / Autex Pty Ltd

MSD Modern Slavery Transparency Declaration™
Verified by Global GreenTag International

7B. MODERN SLAVERY RISK ASSESSMENT

Executive Summary

Tier 1 (Direct) Suppliers

2 Tier 1 Suppliers out of 2 have publicly available policies or statements addressing modern slavery. The majority of the documentation found was addresses modern slavery in the context of the New Zealand Employment Legislation and best practice through global legislation such as UK Modern Slaver Act (2015) or the California Transparency in Supply Chains Act (2010). Both suppliers have code of conduct that specifically address modern slavery. For more information, assumptions were made based on the geographical location of the suppliers.

No relevant data was found on forced marriage however this aspect is not considered applicable here.

Both Tier 1 Suppliers have publicly available policies regarding discrimination. For the insufficient data to conclusively determine the risk of discrimination is based only on geographical location.

For the 2 Tier 1 Suppliers there is insufficient data regarding equal remuneration policies. Assumptions were made to conclusively determine the risk of discrimination based only on geographical location.

Both Tier 1 Suppliers have policies addressing freedom of association and collective bargaining rights. For more information to conclusively determine the risk of discrimination based only on geographical location.

Tier 2+ (Indirect) Suppliers

No relevant data was found from Indirect suppliers and hence the assessment was done based on assumptions and third party articles/data.

Actions Taken as a result of investigations:

High Priority Tasks

- Obtain data and documentation from Tier 1 Suppliers for which no data was available on forced labour, trafficking in persons, servitude, debt bondage, deceptive recruiting labour or services, worst forms of child labour.
- Obtain data and documentation from Tier 1 Suppliers for which no data was available on discrimination, equal remuneration, freedom of association and collective bargaining.

Whistleblower Provisions? No

GGT disclaimer: As required by various legislation this document constitutes risk assessment and as such does not guarantee that Modern Slavery does not occur in the supply chains described herein. It is issued in good faith and is determined to be as accurate as possible at the date of issuance and is part of a continuous improvement and reporting process and will vary overtime with ongoing consultancy with supply chain.
Global GreenTag provides supply chain verification and research services for manufacturers providing product level declaration for customers asked to provide responses to MS Act & QLD Human Rights.
GGT MSD document is a product level declaration.
The document is owned by the subject company. The IP inherent in the document is owned exclusively by Global GreenTag International Pty Ltd.
As a product level statement, this document is issued in support of those companies undertaking required or voluntary Modern Slavery reporting or publication.

Autex Industries Ltd / Autex Pty Ltd

MSD Modern
Slavery Transparency
Declaration™
Verified by Global GreenTag International

7B. MODERN SLAVERY RISK ASSESSMENT

Appendix 1:
Table 3: Product Factory Assessment

Slavery Type	Suppliers Assessed	Full Compliance	Risk Assessed Outcome		Data Quality Outcome		Commitments/ goals
Deceptive recruiting for labour or services; Trafficking in person; Servitude; Forced Labour; Forced Marriage; Debt Bondage	100%	Y	1	The company has a PDCA system in place and can provide an evidence that there is no 'Slavery'. Secondary data available in reliable sources (ILO C029 is inforce in NZ)	1.33	Primary data and it is Statutory Declaration (0), Primary Data directly from the Applicant (+2), Current data (2)	Y
Worst Forms of Child Labour	100%	Y	0	Strong secondary Data from ILO (C182 is inforce in NZ) and company has mentioned it as unlawful discrimination in their Equal Opportunities policy. Completed CSC declaration.	1.33	Primary data and it is Statutory Declaration (0), Primary Data directly from the Applicant (+2), Current data ; policy validity April 2025 (2)	Y
Discrimination	100%	Y	0	Strong secondary Data from ILO (C111 is inforce in NZ) and NZ Govt. website and company has a non discrimination policy in place.Completed Compliant Supply chain.	1.33	Primary data and it is Statutory Declaration (0), Primary Data directly from the Applicant (+2), Current data ; policy validity April 2025 (2)	Y
Equal Remuneration	100%	Y	0	Strong secondary Data from ILO (C100 is inforce in NZ) and Fair work practices NZ and company has a unlawful discrimination policy in place.	-2	The data is secondary data but no data available(-2), data timeline unknow (-2), average country data (-2)	Y
Freedom of Association & Collective Bargaining	100%	Y	1	Company supports relations with employee union as per Employee Relation Act 2000. Completed Compliant Supply chain. ILO website and Fair work practices NZ	1.33	Primary Data and it is statutory declaration (0), directly from Company (2), current policy validity April 2025 (2)	Y

7B. MODERN SLAVERY RISK ASSESSMENT

Table 4. Tier 1 DIRECT SUPPLIERS: Embrace Wool Felt Panels

4.1 Assessment for Slavery (Including deceptive recruiting for labour or services; trafficking in person; servitude; forced labour; forced marriage; debt bondage).

Component	No. of Suppliers	Assessed	Risk Assessed Outcome	Data Quality Outcome	Commitments/ goals
Flame retardant	1	100%	0 The company has a policy in place and strong secondary data available in reliable sources (ILO C029 is inforce in NZ) and Govt. website	0 Data is primary and is Statutory declarations (0), Timeliness unknown(-2), data from Applicant (+2)	Y
Others - wool, dyes, mothproof, finishing	1	100%	0 The company has a policy in place and strong Secondary data available in reliable sources (ILO C029 is inforce in NZ) and Govt. website	1.33 Data is primary and is Statutory declarations (0), Current data (+2), data from Applicant (+2)	Y

4.2 Assessment for Worst forms of Child Labour

Component	No. of Suppliers	Assessed	Risk Assessed Outcome	Data Quality Outcome	Commitments/ goals
Flame retardant	1	100%	0 Company has a policy in place. Completed CSC declaration. Strong secondary Data from ILO (C182 is inforce in NZ) and fair work practices NZ	1.33 Primary data and it is Statutory Declaration (0), Primary Data directly from the Applicant (+2), Current data (2)	Y
Others - wool, dyes, mothproof, finishing	1	100%	0 Company has a policy in place and Strong secondary Data from ILO website (C182 is inforce in NZ) and fair work practices NZ	1.33 Data is Primary and it is statutory declaration (Mentioned in their ethical labour policy) (0), Current policy(+2), Directly from the applicant (+2)	Y

4.3 Assessment for Discrimination

Component	No. of Suppliers	Assessed	Risk Assessed Outcome	Data Quality Outcome	Commitments/ goals
Flame retardant	1	100%	1 Strong secondary Data from ILO (C111 is inforce in NZ) and company has a non discrimination policy in place. PDCA in place	0 Data is Primary and statutory declaration (0), Data Timeliness- 2019 data (-2), Directly provided by the company (2)	Y
Others - wool, dyes, mothproof, finishing	1	100%	1 Company has a policy in place. Secondary data available in ILO website and Govt. website as per Human rights Act	0.66 Data is primary and is company policy (0), Directly from the company (2), data from 2023 (0)	Y

7B. MODERN SLAVERY RISK ASSESSMENT

4.4 Assessment for Equal Remuneration

Component	No. of Suppliers	Assessed	Risk Assessed Outcome	Data Quality Outcome	Commitments/goals
Flame retardant	1	100%	0 The company has a non-discriminating remuneration policy. Strong secondary Data from ILO (C100 is in force in NZ)	-2 The data is secondary data but no data available(-2), data timeline unknown (-2), average country data (-2)	Y
Others - wool, dyes, mothproof, finishing	1	100%	0 The company has a non-discriminating remuneration policy. Strong secondary Data from ILO (C100 is in force in NZ)	-2 The data is secondary data but no data available(-2), data timeline unknown (-2), average country data (-2)	Y

4.5 Freedom of Association and Collective Bargaining

Component	No. of Suppliers	Assessed	Risk Assessed Outcome	Data Quality Outcome	Commitments/goals
Flame retardant	1	100%	1 Company has a policy in place. Completed Compliant Supply chain. Secondary data available in ILO website and Govt. website	1.33 Data is Primary and it is statutory declaration (0), Current Data (2), Directly provided by the company (2)	Y
Others - wool, dyes, mothproof, finishing	1	100%	0 Company has a policy in place. Completed Compliant Supply chain. Secondary data available in ILO website and Govt. website	1.33 Data is Primary and it is statutory declaration (0), Current Data (2), Directly provided by the company (2)	Y



8.

SOCIAL BENEFITS

AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

8. SOCIAL BENEFITS = 6

8A) SOCIAL BENEFIT PROGRAMS = 0

No points awarded.

8B) INDIGENOUS ENGAGEMENT BENEFIT PROGRAMS = 6

Autex is currently collaborating with two distinguished partners, TOA, the preeminent Māori architecture firm in New Zealand, on a project featuring designs based on a Te Arawa tukutuku motif; and Noa, a luxury New Zealand Māori wool blanket company.



9.

INNOVATION

AUTEX 

Autex Industries Ltd
Embrace Wool Felt Panels
702/718 Rosebank Road, Avondale, Auckland 1026,
New Zealand

9. INNOVATION = 10

The innovation is rated 'High' and given the maximum score for 'Leadership in Innovation' for the following reasons:

1. The transition from traditional blanket knitting to an advanced circular knitting technique to enhance fabric structure and performance.
2. Designed a specialized yarn, knit structure, and felted fabric to produce stretchable wool with natural elasticity, without relying on synthetic fibers like polyamides, nylons, or elastanes.
3. High levels of inherently designed circularity of materials.
4. Material innovation of the substructure: proprietary knitting-to-felted material.
5. Single farm wool source using regenerative grazing practices enhancing soil carbon and subsoil biodiversity.