RETACT

Recycled leather fiber material made from production waste

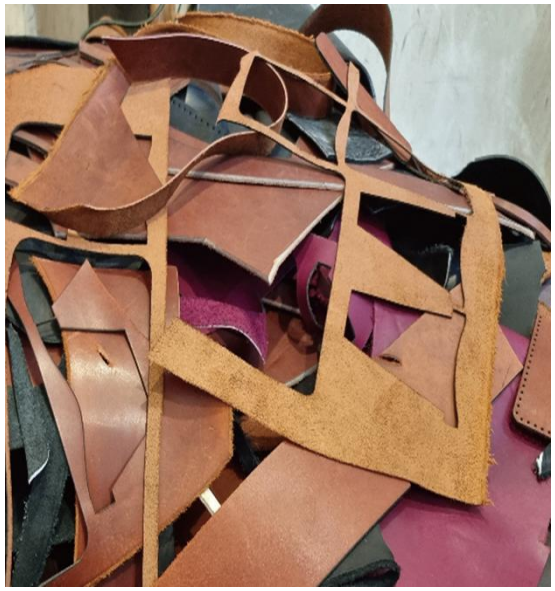






Industry Wide Challenge

- Footwear and leather goods manufacturing create significant amounts of post-production leather waste.
- While larger leather offcuts can be reused for smaller components or accessories, most small scraps - such as trimmings, shavings, and other production residues - cannot be repurposed.
- These smaller waste materials are typically disposed of through landfilling or incineration.
- The EU's Circular Economy Act mandates 30% recycled content in consumer goods by 2030, with penalties for non-compliance.





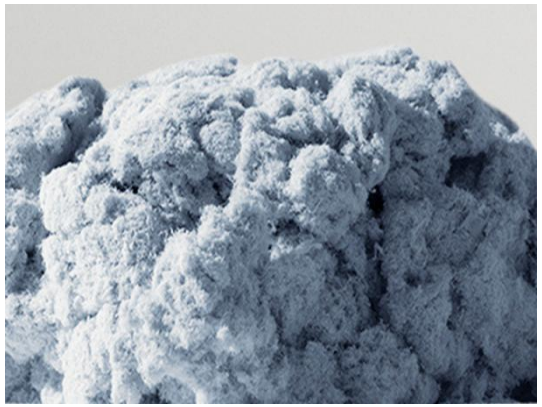
ISA's Continued Sustainability Vision

Sustainability and responsible manufacturing processes have been at the core of our business model since LITE's (Low Impact To the Environment) inception in 2003.

In 2026, we introduce: **RETACT,** crafted from over 50% pre-consumer leather fiber, ReTact turns leather manufacturing waste into a recycled leather fiber material with a soft, luxurious suede-like touch.



1. Our innovative recycling technology repurposes leather waste



2. Premium, traceable, certified sustainable solution elevates ESG narratives with transparent credentials.

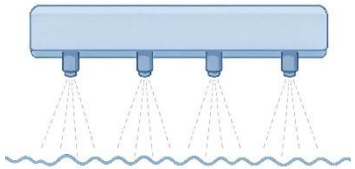


3. ISA's transformative ReTact with rich hand feel, consistency and fine nap made by industry waste attracts eco-conscious consumers

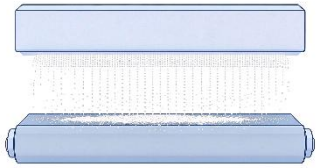
Process of ReTact



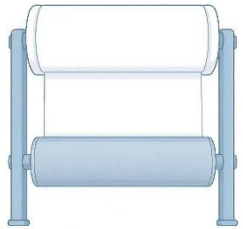
1. Grinding leather trimmings, off-cut and scraps into soft, long fibers



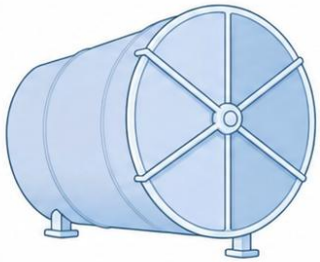
2. Water jets entangle multiple layers of leather fiber webs to a textile substrate to create the base material



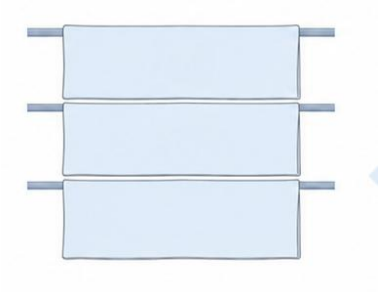
3. Base material is flocked with processed flocks made from wet blue shaving waste



4. Buff the flocked material for uniformity and create the fine nap



5. Drum-dye as traditional leather



6. Dry and final finishing after dying

* Process 1 & 2 outsourced, Process 3-6 ISA in-house

ReTact Features

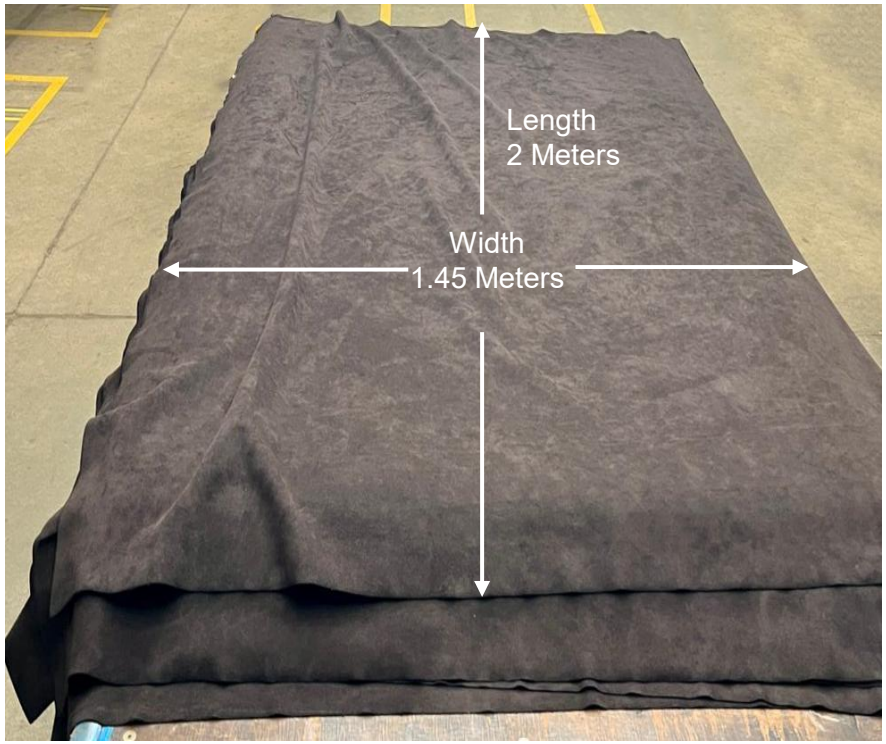
- **Composition:**

  Pre-consumer Leather Fiber: >50%

  Polyester & PU for strength & performance
- **Sheet Size:** 2 meters X 1.45 meters
- **One Thickness:** 1.5mm - 1.7mm
- **Cutting Usage:** up to **100**%
- **HS Code:** 4115.1000 Composition Leather
- **Manufacturing Location:** China
- **Color:** ReTact Color Palette
- **MOQ:** 1,500sf
- **Lead-time:** 30 days



ReTact Features



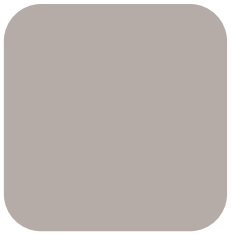
	Length Direction	Width Direction
Material Size	**2 Meters**	**1.45 Meters**
Extension at Break	**80 - 100%**	**110 - 130%**

Consider difference in stretch for cutting patterns

ReTact Color Palette


Black

White


Mushroom


Anthracite


Irish Cream


Leather Brown


Chocolate


Racing Red


Navy


Coffee

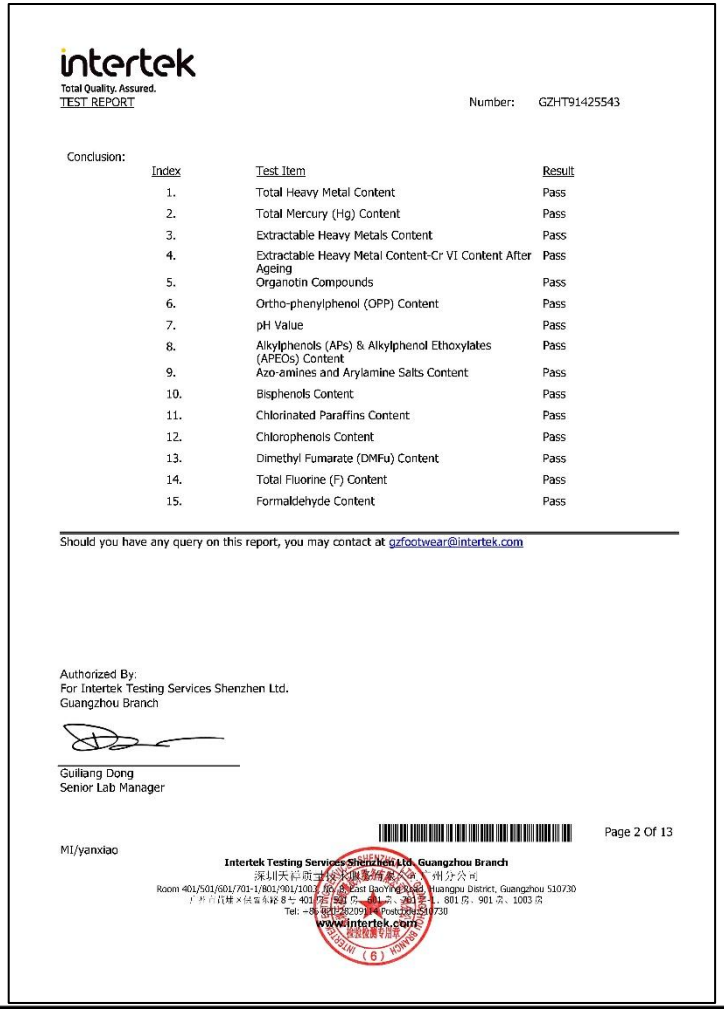
Specification, RSL testing and Certifications

- Produced in ISA's LWG Gold-rated tanneries
- GRS (Global Recycled Standard) application in process
- LCA (Life Cycle Assessment) will be completed in 2027
- 100% Pass on Restricted Substance Testing

Additional Material Lab Test Specification

Test Code	031 A6	Date	7/22/26	EndUser	ISA
Product Name	ReTact			Color	All

Id	Property / Description	Test Method	Units	Requirement
550	TENSILE STRENGTH	SATRA TM43	N/mm2	min. 7.5
2	EXTENSION AT BREAK	SATRA TM43	%	min. 70
24	TEAR STRENGTH - BAUMANN METHOD	SATRA TM162	N	min. 70
22	FLEXING RESISTANCE OF UPPER MATERIALS - BALLY FLEXOMETER - DRY	SATRA TM55	Pass / Fail	100,000 No crack, no delamination of fibers
485	CROCKMETER TEST - DRY - GRAIN	SATRA TM167	GSS RATING	min. 2
487	CROCKMETER TEST - WET - GRAIN	SATRA TM167	GSS RATING	min. 2
235	UV LIGHT FASTNESS	ISA001	GSC RATING	24 h / 300 W Vitalux / 50 C min. 3
35	COLOUR FASTNESS TO WATER - STAINING - GRAIN	SATRA TM335	GSS RATING	min. 2
486	CROCKMETER TEST - DRY - FLESH	SATRA TM167	GSS RATING	min. 2
488	CROCKMETER TEST - WET - FLESH	SATRA TM167	GSS RATING	min. 2
36	COLOUR FASTNESS TO PERSPIRATION - STAINING - FLESH	SATRA TM335	GSS RATING	min. 1.5 (Alkaline)
494	MULLEN BURST	ASTM D3786	kgf/cm2	min. 18
634	WEIGHT	ISA	g/m2	800 - 1000



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Total Quality. Assured.
TEST REPORT

Number: GZHT91425543

Conclusion:

Index	Test Item	Result
1.	Total Heavy Metal Content	Pass
2.	Total Mercury (Hg) Content	Pass
3.	Extractable Heavy Metals Content	Pass
4.	Extractable Heavy Metal Content-Cr VI Content After Ageing	Pass
5.	Organotin Compounds	Pass
6.	Ortho-phenylphenol (OPP) Content	Pass
7.	pH Value	Pass
8.	Alkylphenols (APs) & Alkylphenol Ethoxylates (APEOs) Content	Pass
9.	Azo-amines and Arylamine Salts Content	Pass
10.	Bisphenols Content	Pass
11.	Chlorinated Paraffins Content	Pass
12.	Chlorophenols Content	Pass
13.	Dimethyl Fumarate (DMFu) Content	Pass
14.	Total Fluorine (F) Content	Pass
15.	Formaldehyde Content	Pass

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
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Our in-house marketing team can work with you to create visually striking and informative digital and on-product sales tools.

These complimentary services will ensure the best possible message resonates with your consumer.



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Others We Can Offer







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