



PRODUCT CATALOG

Certified Solution by
Solar Impulse Foundation



Verified Project by
UNESCO





Retrak Materials is a company that creates and manufactures sustainable building materials from 100% recycled materials, using waste materials such as multi-layer packaging (20% Aluminum, 80% Polyethylene).

Our process ranges from material collection to the creation of multi-layer packaging panels, creating a product with the same functions as conventional materials but with a high environmental and social impact.

For more information, visit retrakmaterials.com



WALL

Smooth-surface rigid panel, ideal for structural applications, interior and exterior cladding, or furniture.

All Retrak products are

- antibacterial
- moisture-resistant
- high temperature resistance
- impact-resistant

AVAILABLE SIZES

4 ft x 8 ft (1.22 m x 2.44 m)

THICKNESS

0.24 in | 0.35 in | 0.47 in | 0.59 in | 0.71 in

WEIGHT

50.7 lb | 68.3 lb | 83.8 lb | 99.2 lb | 99.2 lb

APPLICATIONS

- Partition walls
- Ceilings and panels
- Furniture construction
- Wall cladding
- School or institutional projects



To create one sheet, 2,500 Tetra Pak containers need to be recycled.

CORRUGATED SHEET

High-performance corrugated sheet, ideal for roofs and coverings.

Available in natural gray and tile red colors, it combines lightness with structural strength.

AVAILABLE DIMENSIONS

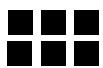
25.6 in wide, 50.7 lb weight

LENGTHS

72 in (6 ft), 86.6 in (7.2 ft), 96 in (8 ft), 102.4 in (8.5 ft), and 120 in (10 ft)

APPLICATIONS

- Roofing for houses, farms, and warehouses
- Temporary or permanent enclosures
- Self-construction or emergency projects



TEXTURED SHEET

Decorative panel with a wood-like textured finish, ideal for projects seeking a warm and natural appearance.

It is an aesthetic, affordable, and durable option.

AVAILABLE DIMENSIONS

4.0 ft x 8.0 ft, 1/4 in

APPLICATIONS

- Interior wall cladding
- Rustic or modern furniture design
- Commercial or residential spaces
- Sustainable architectural details



SIDING PLANKS

This wood-finish siding is perfect for giving any exterior a warm and natural look—without cutting down a single tree or disturbing the ground.

It adapts to any environment and architecture, using conventional tools, existing construction systems, and allows for quick installation.

The first 100% sustainable siding for the USA/Canada market.

AVAILABLE DIMENSIONS

7.87 in x 8.0 ft x 1/4 in

APPLICATIONS

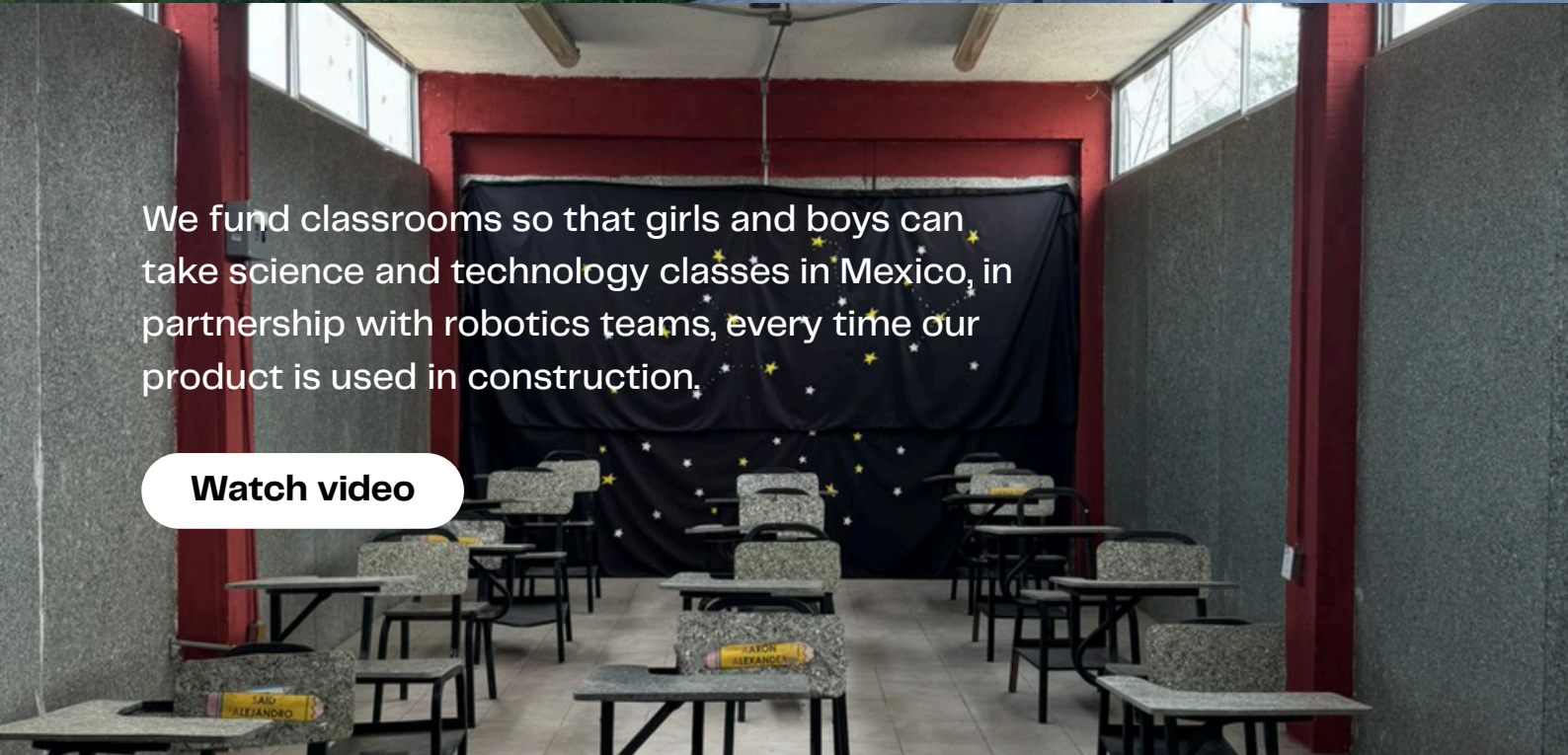
- Exterior cladding for homes
- Commercial façades or cabins
- Decorative outdoor details
- Residential or renovation projects

DATA SHEET —

PROPERTIES	SPECS	UNITS	STANDARDS
Density	1.04	g/cm ³	ASTM-D-792-8
Shore D Hardness	35.5	Degrees	ASTM-D-2240-5
Resistance to Decomposition	8,199,000.00	Pa	ASTM-D-638-8
Elongation at Break	11.5	%	ASTM-D-638-8
Flammability	4.1	mm/min	ASTM-D-5132-2011
Taber Abrasion (1000 cycles)	0.13	%	SAE J 1530
Taber Abrasion (3000 cycles)	0.22	%	SAE J 1530
Thermal Conductivity	0.22	W/m°K	ASTM-C-518
Water Absorption (1 hr)	0.4	%	ASTM-D-1037
Water Absorption (24 hr)	1.4	%	ASTM-D-1037
Swelling	1.7	%	ASTM-D-1037
Modulus of Rupture	20	N/mm ²	
Bolt/Nut Creep	726	N	
Edge Creep	852	N	
Ultimate Tensile Strength	109.9 (1,580)	MPa (lbf/in ²)	
Bending Temperature at 0°C	64.2	°C	
Softening Point at 0°C	53.2	°C	
Bending Strength	18.3 (2,650)	MPa(lbf/in ²)	
Bending Tangent Modulus	1,157 (167,700)	MPa (lbf/in ²)	
Impact Resistance	106.8 (2.0)	J/m (lbf-ft/in)	

The image shows the exterior of a modern, single-story building with a white frame and large, textured grey panels. A small tree stands in front of the building, and a black metal chair is positioned on a concrete path leading to the entrance. The sky is clear and blue.

Retrak *(classroom)*

The image shows the interior of the classroom, which is an open-air space with concrete walls and a red-painted upper section. Rows of black metal desks and chairs are arranged in the room. At the far end, a black curtain with yellow star patterns hangs across the width of the room. Sunlight streams in from the side, creating a bright path on the floor.

We fund classrooms so that girls and boys can take science and technology classes in Mexico, in partnership with robotics teams, every time our product is used in construction.

Watch video



IMPACT AND VALIDATION —

Environmental Impact —

Official UNESCO project



Global Ambassador



Check

Certificates and validation —

Certified Solution
Solar Impulse Foundation



Members of



The Climate
Reality Project

Revisar

Strategic alliances —



SDGs





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