



Re-Paneel
See our collection

Re-Paneel
www.re-paneel.com





Re-Paneel For a Greener Planet



Re-Paneel

Circular Building Panels avoiding incineration or landfill



Tex-Board / Tex-Plex

**80 Mln KG/Year
of the Global 92
Billion KG Textile
Waste
Saved Annually**

**3000 Mln
KG/Year
CO2
Reduction**

Bio-Board / Bio-Plex

**80 Mln KG/Year
of the Global 1.26
Trillion KG Bio
Waste
Saved Annually**



Re-Paneel Mission

Preserving Forests and Saving Waste from incineration and landfill, while reducing the CO2 footprint of the Building and Lifestyle Industry.

With our Circular Re-Paneel Building Panels, made of Textile- and Bio-Waste, mechanically produced and completely recyclable, you can help to re-build our Planet.

Our Re-Paneel Panels are tested according to the EU building standards, B1 Fire Resistant compared to similar Wood based panels, with a higher MOR as well as Screw Nail Grip force, Moisture Resistance, Sound Dampening and Insulation.

Of the 92 Billion kg of textile waste produced annually worldwide, less than 1% is recycled into new textile fibers and only 12% is reused. More than 80% is incinerated or ends up in landfills.

Of the 1.26 Trillion kg of wheat and rice straw, only 30% is reused or recycled. Approximately 40-50% is burned in the fields after harvest, which is a significant source of air pollution.





Re-Paneel Introduction

From 1997-2019, we have been Manufacturing Mass Textile Products for the Global Textile Industry, where from 2020 onwards, together with our Global R&D Partners we have been conducting Research into Cleaning up the Global Textile waste, while transforming it into added value products.

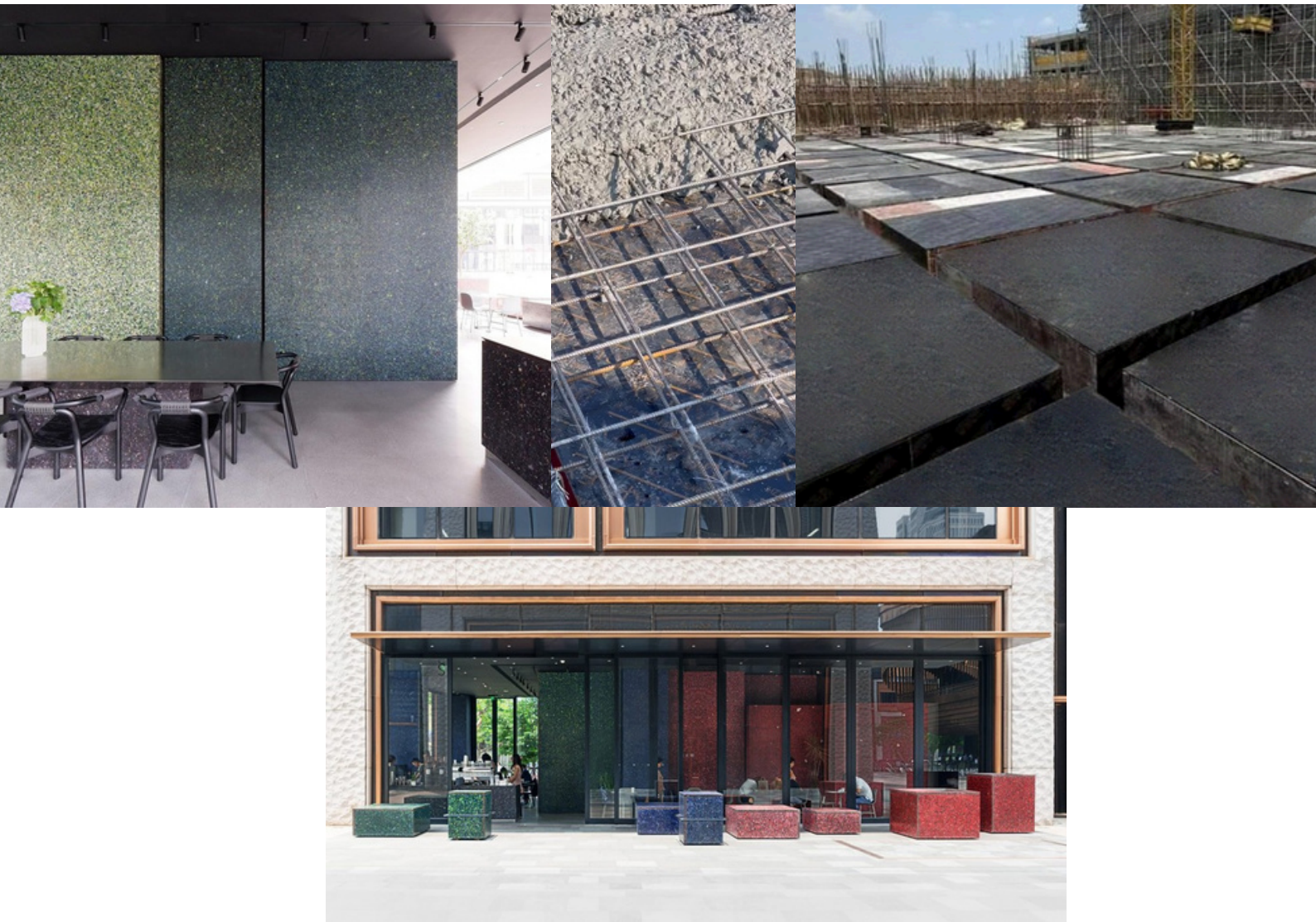
Since 2023 together with our Longterm Partner in Textile Manufacturing we are able to mechanically produce fully automatic, regenerated Textile and Bio Fiber Panels in a clean and scalable manner.

Processing 100 Mln KG of Textile and Bio waste, producing 10,000,000 m² of regenerated Re-Paneel Textile and Bio Fiber Panels annually.

The Textile and Bio Fiber Panels are environmental friendly, durable and with high strength, B1 Fire Resistant partly replacing existing wood and wood based panels in Compliance with the EU Test Standards.



Circular Building Panels used for building structures





Circular Building Panels used for interior decoration





Re-Paneel

Re-Paneel Tex-Board and Bio-Board with Wood Veneer



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**Re-Paneel Tex-Board and Bio-Board
Laminated and Coated**



Re-Paneel Tex-Board

- 90% Textile Waste
- 8% Wood layer
- 2% Glue
- Weight 8 - 14kg per sqm
- Thickness 8-16mm
- Size 2440 x 1220mm 2440 x 610mm
- Maximum length 5700mm
- Maximum width 1813mm
- Used for walls, ceilings, furniture
- Left panel is calibrated and right panel non calibrated

Performance EN Norm 13986	RE-PANEEL TEX-BOARD
Composition	90% Textile 8% FSC certified Aspen Wood layer in the middle 1 mm and 2% Glue
Thickness	12 mm
MOR	29 Mpa
MOE	3200 Mpa
Internal bond strength	0.82 N/mm
Flame Retardent performance	B1
Insulation value	1.8 x 10 x Omega x cm
Screw Nail Grip Force	126 N/mm
Density	0,92 g/cm3
DB Value	28 dB
Formaldehyde emission	Meets EU strictest emission E1
Recyclability	100%
Water absorption thickness expansion rate (24h)	6% Dry / 4% Humid environment

