

Sustainable Recycled Building Materials

Recycled Textile Blends Composite Decking Material

Thermoplastic composite decking for circular design furniture :

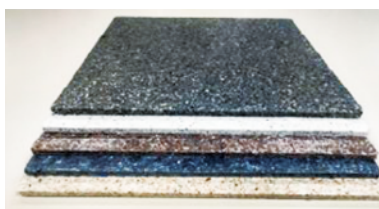
Low-temperature polyester modification and reinforcement technology retains fiber strength while enhancing structural performance.

	ITRI	Commercial	
Materials	rPET (Blended fiber)	HDPE	PVC
Recovery rate(%)	50	20~50	—
Bending(kgf/cm ²)	>300	200	220
Impact(kJ/m ²)	>3.2	>2.5	>3.2
CO ₂ e(kg)	1.27	2.25	3.02



Thermosetting hot-pressed decorative panels:

Functional, aesthetic and durable properties by incorporating epoxy resin and fiber dispersion technology.



- ▶ Formaldehyde F1(CNS1349)
- ▶ Flame retardant level 1(CNS 7614)
- ▶ TVOC E2 green building material grade(CNS 8907)
- ▶ Acid and alkali resistance(CNS4447)
- ▶ Pollution resistance(CNS11367)