




Comparison* between **STRAWTEC Panel** ▶ **Gypsum Board** ▶ **MDF Partition** ▶ **Blockboard**

IT'S NOT A TRICK, IT'S STRAWTEC



Description	STRAWTEC Panel (partitioning) 
Application	Internal walls, partitioning, external walls, floor slabs and ceilings.
Advantage	<ul style="list-style-type: none"> ▶ High-performance in fire and sound protection ▶ Economical ▶ Environmentally friendly ▶ Fast construction ▶ No VOC (volatile organic compound) ▶ Good load bearing capacity and durable ▶ Good moisture proof performance with additives ▶ Manufactured to any length ▶ Can hold screws with heavy loads e.g. TVs ▶ Can withstand impact ▶ Easily reusable
Many reasons to like STRAWTEC	
Disadvantage	▶ Vulnerable to stagnant water
	
	BEST COST-PERFORMANCE
Cost per sqm	▶ 35,000 FRw ◀
Specification	Sound Insulation: 32db Fire Resistance: from 30 to 60 min (B2,d0) Moisture Resistance: 90% Humidity Thermal Conductivity: 0.0942w/mk

	Gypsum board (partitioning) 	MDF (partitioning) 	Blockboard (partitioning) 
▶▶	Internal partitioning and ceilings	Internal partitioning and furnitures	Internal partitioning, furnitures, shutters, shelves and common cabinets, tabletops, kitchen worktops
▶▶	<ul style="list-style-type: none"> ▶ Fire resistant ▶ Readily available 	<ul style="list-style-type: none"> ▶ Can be used in curved walls ▶ Can accept a variety of veneers and decorative panels on the surface ▶ Thicker boards can withstand impact ▶ Sound-absorbing panels 	<ul style="list-style-type: none"> ▶ Relatively light in weight ▶ Good stability ▶ Does not overly shrink
▶▶	<ul style="list-style-type: none"> ▶ Low water resistance ▶ Difficult to deal with joints ▶ Easy to crack ▶ Poor sound insulation ▶ Cannot hold screws with loads ▶ Cannot withstand impact ▶ Partially reusable 	<ul style="list-style-type: none"> ▶ Low water resistance ▶ Easily deformed ▶ No eco-friendly, VOC (volatile organic compound) present ▶ Partially reusable 	<ul style="list-style-type: none"> ▶ Retains moisture ▶ Not as strong as the original wood ▶ Requires veneer on edges ▶ Partially reusable
▶▶	45,000 FRw	120,000 FRw	40,000 FRw
▶▶	Sound Insulation: 27-33db Fire Resistance: from 15 to 44 min Moisture Resistance: 5% Humidity Thermal Conductivity: 0.254w/mk-0.314w/mk	Sound Insulation: 25db Fire Resistance: no information (D-S2d0) Moisture Resistance: 7%-12% Humidity Thermal Conductivity: 0.1-0.14w/mk	Sound Insulation: 25db Fire Resistance: no information Moisture Resistance: 7%-12% Humidity Thermal Conductivity: 0.15w/mk

*This is a comparison with the typical properties of standard construction boards in this product segment, not a comparison of special products from selected producers.