



PRODUCT DATA SHEET - Recycled™

Product Description

Recycled™ is a solid wood composite material that is made by combing rice husks (55%) and recycled or waste PVC material (45%) in the presence of heat and pressure. The finished product is formed by extrusion. There are no toxic chemicals or additives used in the production process. It is therefore, a non hazardous material.

It is however, advisable to minimise the generation of dust and to ensure adequate ventilation when working in an enclosed space. An approved safety dust mask should be used.

Recycled™ looks feels and handles like wood. Documentation and precautions in handling the material are similar for any other wood product.

PRODUCT IDENTIFICATION

Product Name: Recycled™

UN Number: N/A

Dangerous Goods Class: N/A

Hazchem Code: N/A

Poisons Schedule: N/A

Uses: Material is supplied as a solid material similar to wood and can be used as a substitute to softwood and hardwood.

Physical Description: Light Brown and resembling wood but can be coated.
The product is odourless.

<u>Ingredients:</u>	<u>CAS Number</u>	<u>Concentration</u>
Rice Hulls / Husks	71630-92-7	55 - 75%
Poly Vinyl Chloride	9002-86-2	25 - 45%

Property	Testing Protocol	Unit	Test Value
Bending Strength: Modulus of rupture	BS EN310:1993	MPa	52.2
Bending Strength: Modulus of elasticity	BS EN310:1993	MPa	52.10
Internal Bond	BS EN319:1993	MPa	6.64
Thickness Swelling	BS EN317:1993	%	0.13
Water Absorption	BS EN317:1993	%	0.58
Tensile Strength	ASTM D638m 1991a	MPa	31.7
Moisture Content	BS EN322:1993	%	0.44
Density	BS EN323:1993	Kg/m ³	1513
Cyclic Test: Thickness Swelling	BS EN321:1993	%	-0.1
Cyclic Test: Internal Bond	BS EN321:1993	MPa	5.7
Acid Resistance	Japanese Industrial Standards		No discolouration
Alkali Resistance	Japanese Industrial Standards		No discolouration
Toluene Resistance	BS EN382-1:1993		275mm (length of stain)

Screw Withdrawal (facewise)	BS EN320:1993	N	2772
Screw Withdrawal (edgewise)	BS EN320:1993	N	2706

Results issued by, after testing at:
Wood Composite Testing Laboratory, Forest Products Division, Forest Research Institute Malaysia.

Izod Impact Test	ASTM 256	J/m ²	1515
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Result issued by, after testing at:
Malaysian Timber Industry Board, Fibre and Biocomposite Development Centre (FIDEC)

