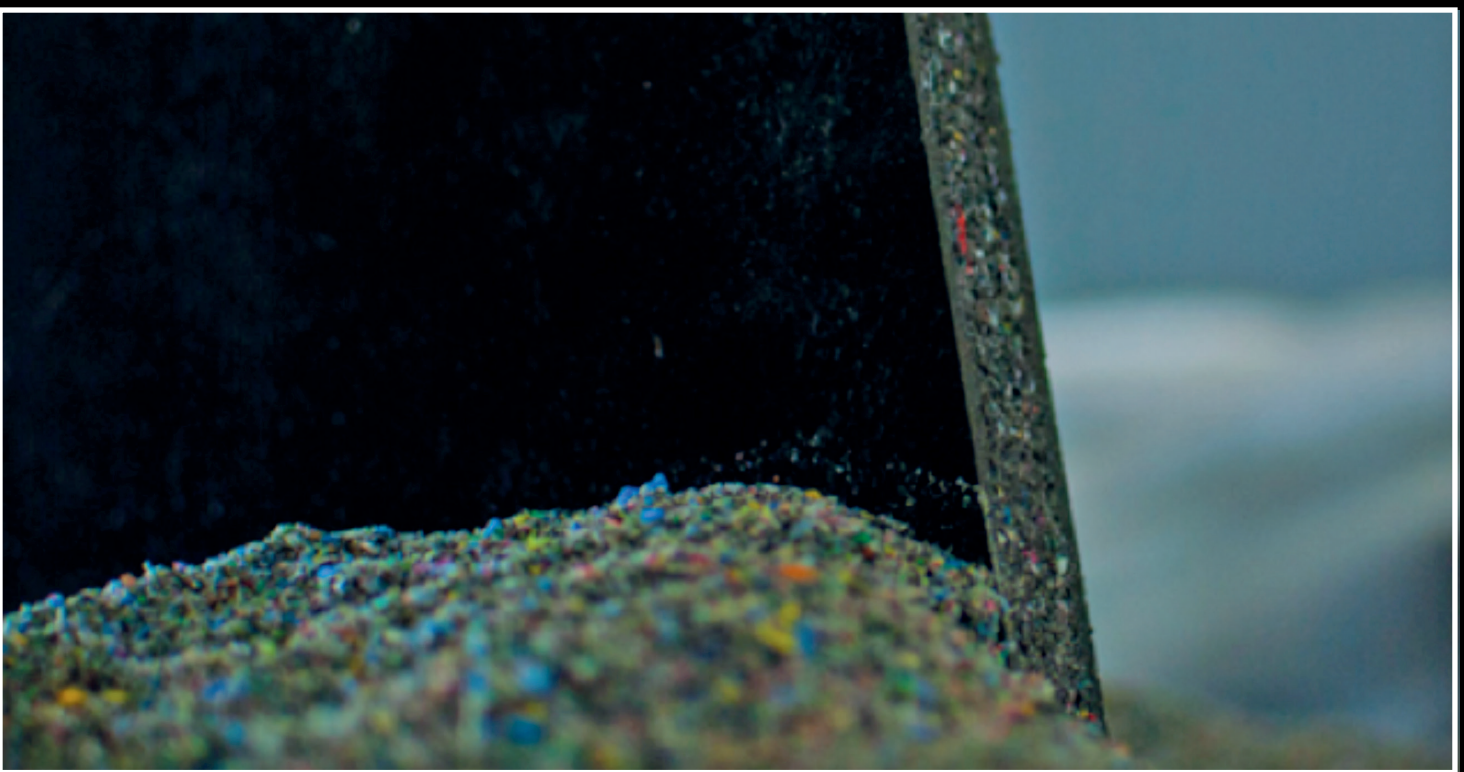




The Recycled Plastic Alternative To Plywood

Diverting waste from landfill



What is EKOPLY?

EKOply is a recycled plastic 8x4ft (2.440 m x 1.220 m) sheet material. It is designed to be an environmentally-friendly and economical replacement for traditional plywood.

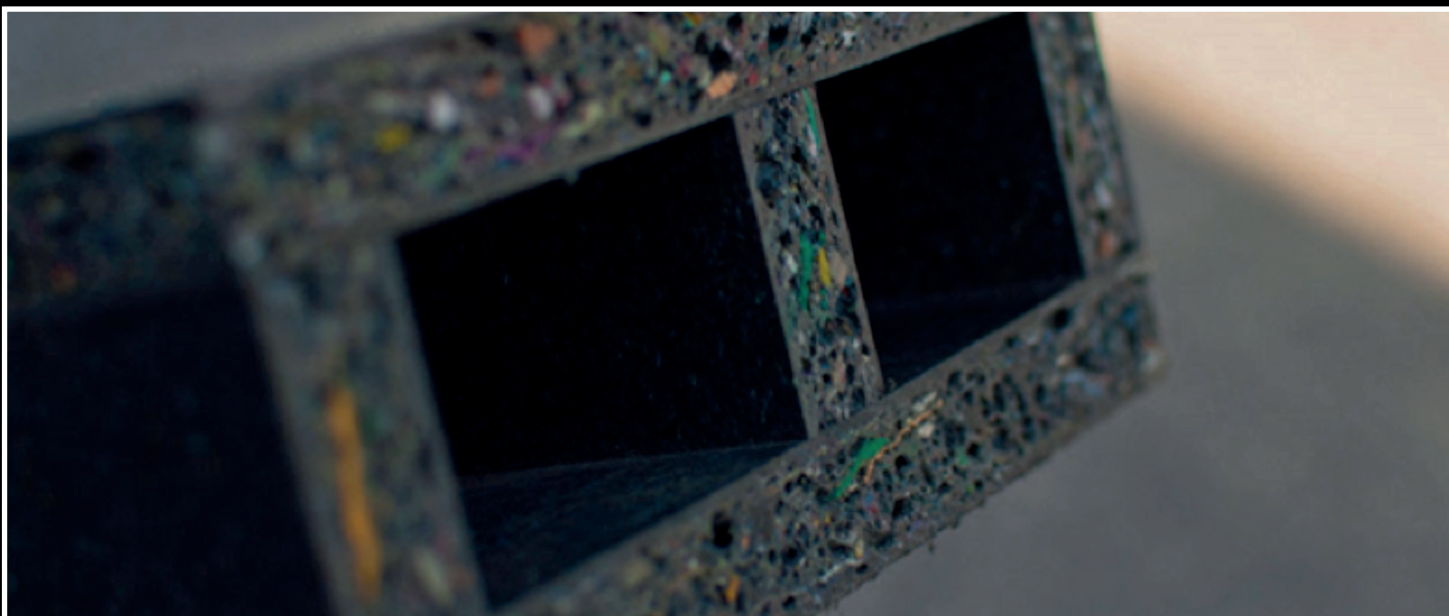
EKOply is manufactured from 100% waste plastic, mainly PE and PP which typically ends up being land-filled or incinerated.

EKOply has been manufactured as an alternative to imported plywood, or to virgin plastic panels, yet in turn are fully recyclable at end of-life.

Benefits

Why Choose EKOpoly?

- Available in 19 mm (33 kg) & 12 mm (25 kg) thicknesses
- Rigid 8 x 4 ft (2.440 x 1.220 m) sheet with a tolerance of 0.2% in length, and 10% in thickness
- Anti-Slip surface & coloured options also available
- Can be cut / screwed in the same way as traditional timber
- Significantly longer lasting compared to timber and plywood
- Rot and weather proof
- Will not swell in wet conditions, but will expand and contract with changes in temperature
- Tough and durable
- Perfect for use in and around water, including saltwater
- No maintenance costs
- Does not contain any hazardous substances according to ordinance No 1907/2006 of the European parliament and of the council dated 18.12.2006 (REACH)
- Chew resistant and non-toxic to animals



Products

EKOply STANDARD 19

EKOply 19 mm standard is constructed with a 2 mm skin top and bottom, made from finely ground material. The core material is made up of coarsely ground material

The weight of the 19 mm Standard sheet is 33 kg

EKOply STANDARD PLUS 19

The Standard Plus 19 mm EKOply uses more finely ground material in the core than the standard EKOply – resulting in less voids in the core.

The weight of the 19 mm Standard Plus sheet is 35 kg

EKOply STANDARD PLUS 12

The 12 mm EKOply is manufactured in the same way as our Standard.

Plus 19 mm. The Standard Plus 12 mm sheet has a more compact core.

The weight of the 12 mm Standard Plus sheet is 25 kg

Products

EKOply STANDARD ANTI-SLIP 19



An Anti-slip surface can be produced during the manufacture of both the Standard 19 mm and the Standard Plus 19 mm EKOply.

The anti slip mesh is integral to the top skin layer (one surface only). EKOply Anti Slip 19 mm is particularly popular in flooring and shelving applications.

The weight of the 19 mm Anti Slip sheet is 34 kg

EKOply STANDARD PLUS ANTI-SLIP 12



Constructed in the same way as our 19 mm Standard Plus Anti-Slip sheet, the 12 mm is a thinner version which retains the Anti-Slip mesh but has a more compact core structure due to the skin material being throughout.

The weight of the 12 mm Standard Plus sheet is 25kg.

EKOply Colour Options



EKOply Coloured sheets are available on a special-order basis for standard and anti-slip surface options.

Available in Green, White fleck, Blue and Earth.

Please note, due to the varied nature of recycled materials used, colours can vary significantly between batches.

Minimum order quantities and extended lead times apply.

Applications



ANTI-SLIP FLOORING

EKOply sheets are extremely versatile, and are suitable for a huge range of applications:

- Suited to harsh weather conditions and wet environments – marshlands, ponds, and living walls
- Flooring – Trucks, trailers and outhouses to protect the floor substructure and improve noise attenuation
- Outdoor terraces and gardens- fences, sheds, raised beds, furniture and storage containers
- Hoarding - protection, security and safety on construction sites, concerts, festivals and other outdoor events.
- Indoor and outdoor furniture
- Animal housing - Dog kennels, pig arcs, poultry runs and rabbit hutches

Please note, The information and images of applications are provided for guidance only. The customer is solely responsible for deciding if the EKOply sheets are fit for their specific application. FAQ and datasheets are available on request. As a recycled plastic sheet, there may be different shades produced depending on the waste plastic used in production.



SURF BOARDS

EKOPLY IS SUITABLE FOR WATER



WATER GATES – FRANCE

Applications

CONSTRUCTION AND FENCING



ROOF TERRACE – LONDON

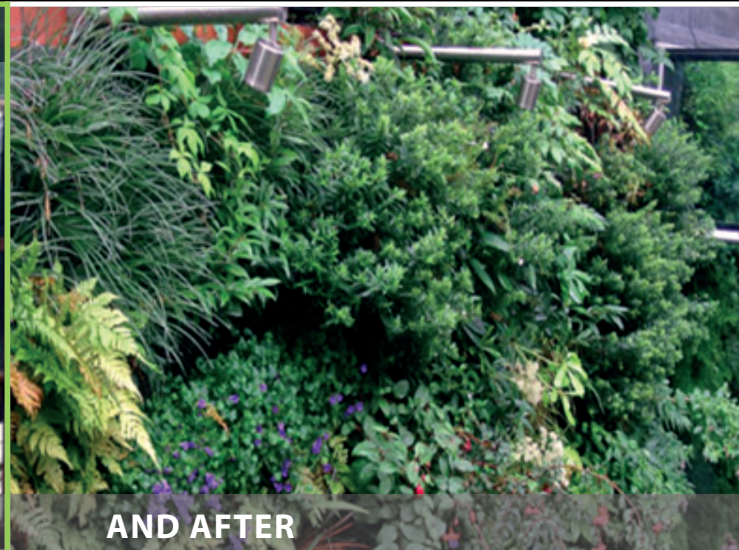


SITE HOARDING – JERSEY

LIVING WALL



BEFORE



AND AFTER

FURNITURE AND GARDENS




OUTDOOR TERRACE – LONDON



OLYMPIC VILLAGE – LONDON

Certificates & Testimonials

List of test standards and deviations			R-TECH SERVICES LIMITED		
Property	Units	Test Method	Results		
			10mm	19mm	19mm plus
Tensile Strength	N/mm ²	BS EN ISO 527-2	4.33	3.47	4.34
Tensile Secant Modulus at 0.25% Strain	N/mm ²	BS EN ISO 527-2	283.80	263.70	278.90
Tensile Secant Modulus at 0.5% Strain	N/mm ²	BS EN ISO 527-2	246.53	229.69	242.93
Elongation at maximum load	%	BS EN ISO 527-2	7.13	4.38	6.72
Flexural Strength	N/mm ²	BS EN ISO 178	11.0	8.3	10.0
Flexural Modulus	N/mm ²	BS EN ISO 178	361.94	369.02	333.34
Compressive Strength	N/mm ²	BS EN ISO 604	2.2	2.4	3.1
Temperature of Deflection Under Load 1.8MPa Loading	°C	BS EN ISO 75-2	35.6	N/A	N/A
Temperature of Deflection Under Load 0.45MPa Loading	°C	BS EN ISO 75-2	54.2	N/A	N/A
Shore Hardness	N/A	ISO 868	56.5	59.8	58
Water Absorption	mg	ISO 62	490	385	659.4
Water Swell	%	N/A	0.05	0.1	0.07
Density	g/cm ³	ASTM D792	0.5407	0.492	0.6503

FLOOR SLIP RESISTANCE TESTING CERTIFICATE					
Testing Certificate Ref No: AW/FS/1604003					
Client: Second Life Products Wales Ltd Location: ++SAMPLES++ Date Tested: 14th April 2016 Pendulum Equipment Used: KSS Pendulum Pendulum Serial No: ST13 Pendulum Calibrated: 23rd November 2015 Slider Type Used (Delete as Required): 96 slider Slider Ser No(s) - Batch: 96#44 Slider Date Expiry: 22nd June 2016					
The Pendulum was used in accordance with the United Kingdom Slip Resistance Group (UKSRG) guidelines for testing floors to ascertain the slip resistance to BS EN 14231. The tests were carried out under: - Wet Conditions (Using potable water to cover the whole test area and refreshed between tests). - Dry & sunny conditions Eight measurements were taken at each condition and in three different horizontal planes (0, 45 and 90 degrees) at each position. The first three measurements were discarded to allow checks for slider stabilisation. The median (average) of the remaining results were then calculated, as advocated by the UKSRG/Health & Safety Executive (HSE). The results for the floors tested are indicated in the table below. The HSE / UKSRG has determined a minimum Pendulum Test Value reading of 36 must be obtained in all conditions (Dry, Wet, or Contaminated) and on a level surface for a floor to pass the test					
Ref	Area / Room	Surface Type	Ambient Temp (deg C)	Mean (Average) Reading	Result
1	Sample	EKOply standard	22c	DRY 48	PASS
			22c	WET 16	FAIL
2	Sample	EKOply anti-slip	22c	DRY 66	PASS
			22c	WET 39	PASS
Signed on behalf of FloorSlip Ltd: <i>A. Wylie</i>			Name:	Andrew Wylie	Date:
			Date:	14/04/16	Valid Until Date:
			Date:	N/A	
This test certificate is not valid or original if the embossed company stamp is not present					
FloorSlip Ltd - www.floorslip.co.uk e-mail - info@floorslip.co.uk Tel: 08719 152535 / 08713 155789					
Registered Office - The Meridian, 4 Copthall House, Coventry, CV1 2FL. Company number: 07757686 Please do NOT reply to this address as it is an unmonitored Address					

"We have now completed the solar PV project. The sheets worked very well. There are 29 solar panels on the roof with EKOply sheets supporting a weight of over 4.5 tonnes of ballast blocks. We will certainly use these again!"

Chris Eades – Craven Energies

"EKOply has provided us with an exciting, sustainable alternative to standard plywood. It was an easy choice to work with EKOply, everything in the former Olympic Village has been selected for its sustainable and environmental credentials. The recycled plastic sheet helped us to continue this ethos as part of our design".

Will, The Edible Busstop

"Setting ethical standards by use of promoting an excellent example of sustainable recycling".

Isle of White Zoo

"EKOply is proving to be a successful product for us. The many applications it has for our agricultural customers is proving to be the reason for its success. Farmers are increasingly looking for products to give longer service life to keep costs down, and when comparing EKOply to ply, its lifespan makes it very cost effective. The benefit of being able to wash down and disinfect EKOply compared to plywood which can harbor bacteria and disease makes it an attractive product".

Charlie Hughes – Wynnstay

"We used the boards as a wind break, weather shield and sound barrier for our rugby club balcony. Works perfectly".

Eddie - Cheltenham Saracens RFC

"If EKOply was available in the 1950's, I am sure that MG would have had it on their production line. EKOply has the advantage of being a finished product – no treatment needed – just cut and fit!"

MG Car Enthusiasts

