



BARRISOL®

THE ECOLOGICAL STRETCH CEILING



Ecology

It is our nature to preserve

Presentation

The "recycled" Line of Barrisol is another step in the company's commitment for sustainable development.

Aestheticism and performance

The sheets in « The Recycled » line are available in four colors.

Round or square aesthetic perforations can be made on the sheeting.

With Micro perforations, the recycled sheets are ideal to optimize the acoustics.

Sustainable development

As with all other Barrisol® sheets, the recycled sheets are 100% recyclable. Furthermore, « The Recycled » sheeting is made from recycled Barrisol sheets.



These characteristics make them ideal for 100 % ecological construction such as "green buildings", and are based on 5 criteria: site, water, energy, materials and the interior environment.

"The Recycled" sheeting can be installed in buildings certified "sustainable development" and also in all types of construction which contribute to the protection of the environment.



Colors

	R01	Beige
	R02	White
	R03	Grey
	R04	Black



Acoustics®

	A10 + ref	Microperf
	Ø 0,1 mm	
	A20 + ref	Acoperf
	Ø 0,15 mm	
	A30 + ref	Microacoustic
	Ø 0,2 mm	
	A40 + ref	Miniperf
	Ø 0,5 mm	



Perforated®

	P10 + ref	Mediperf
	Ø 1 mm	
	P20 + ref	Mezzoperf
	Ø 1 mm	
	P50 + ref	Solaperf
	Ø 2,8 mm	
	P60 + ref	Maxiperf
	Ø 4 mm	
	P70 + ref	Megaperf
	Ø 4 mm	
	P80 + ref	Omégaperf
	□ 4,5 mm	



TECHNICAL INFORMATION

Interior	use
Composition	50% recycled materials - 50% virgin PVC
Fire classification	M1 (France), Bs2 d0 in Europe
Hygrometric Degree	< 65 % HR = 0,0030 g/h m ² Hg; > 65 % HR = 0,0045 g/h m ² mm Hg
Width	200 cm
Weight in m2	240 g ± 5 %
Thickness	0,18 mm ± 5 %
Break resistance	longitudinal: 196,50 kg / cm ² ; transversal: 220,80 kg / cm ²
Lengthening break resistance	longitudinal: 231 %; transversal: 309 %
Tear resistance	longitudinal: R = 1,60 dN, Is = 170 %; transversal: R = 2,00 dN, Is = 255 %
Dimensional stability	-15°C in +45°C
Memory of the material	shape Memory



Advantages of BARRISOL®:

- Sheeting is 100 % recyclable. Re-usable in other kind of products (hose, public benches, various plastic objects).
- “The Recycled“ line of sheeting is made from recycled Barrisol® sheets.
- Profiles and structures are 100% recyclable.
- Uses 20 times fewer resources when compared to classic building materials.
- Washable, does not require painting.
- Can be taken up and down easily, without damaging the material thus improving accessibility.
- More than 20 year life span.
- The production process uses no water.
- No emission of CFC or HCFC.
- Cadmium free.
- Packaging materials are 100 % recyclable.
- Meets the European standards: B1, M1, Class 1, Class 0, B-s2, d0.
- Meets the US standards: Class 1, UL certified.

We remain at your service to take back any removed or replaced ceilings to assure their recycling*.



“ *More than 35 years ago, I began my great adventure of creating
the BARRISOL® stretch ceiling.*

*Sensitive and respectful of preserving the environment
since my early childhood, I searched for materials to work with that would preserve nature.*

*Since inception, Barrisol has evolved from this very
notion-an environmentally sound tool capable of creating stretch ceilings
of unprecedented aesthetics.*

*By reducing the use of resources by up to 95% when compared to
conventional building practices, I've managed to maintain
my childhood convictions of preservation while
enhancing the architectural world around us.*

*BARRISOL® is recommended by the greatest architectural firms,
not only because of the techniques and aesthetics but also
because of respect for the environment and nature. ”*

Environmentally Yours,

Fernand SCHERRER



Lightweight (180g / m²), Barrisol® stretch ceilings are easy to transport. The costs of transportation and Fuel consumption are low.

Barrisol® sheets are recyclable, do not need to be painted and their lifespan exceeds 20 years. There is nearly no waste when the ceiling is mounted.



PACKAGING



for 10 000 m²

Barrisol®	Other types of ceilings
50 Kg	more than 1 000 Kg
reduced packaging	diverses natures
almost no waste	lot of waste

Difference : NEARLY 1 TON



WEIGHT

	Barrisol®	Other types of ceilings
Weight	500 g/m ²	12 Kg/m ²
Weight for 10 000 m ²	5 t	120 t

Difference : 115 tons of raw material less to cover a same surface of 10 000 m²



RECYCLING

Recyclage

“In order to make the world of tomorrow more beautiful, you first need to work to preserve the world today.”




TRANSPORT

Transport of the



WASTE

Barrisol®

Other types of ceilings

Waste generated by installation of 10 000 m²

+/- 0

about 10 t

Waste generated by production of material

+/- 0

10 %

ALMOST NO WASTE

ASSEMBLY

Barrisol®

Other types of ceilings

Installation of 10 000 m² assemblies

50 days

80 to 100 days

reduced costs

high need of energy

premises are quickly reusable

long building occupation

LOW NEED OF ENERGY

LOADING

Barrisol®

Other types of ceilings

100 % recyclable

sorting necessary

preserve the environment, reusable as energy source

non reusable waste (rubble)

100 % RECYCLABLE

TRANSPORTATION

Barrisol®

Other types of ceilings

Weight of material

reduced volume

significant volume

lighter vehicles

large vehicles

less fuel consumed

significant fuel consumption

GAINS IN WEIGHT & FUEL



DURABILITY

Barrisol®

Other types of ceilings

20 years and more

5 to 10 years

no regular renovation

regular renovation

no dirt

more dirt

no waste

more waste

NO RENOVATION IS NEEDED

INTERNATIONAL MARITIME ORGANIZATION
RESOLUTION MSC 61 (67) 1996

**THE INTERNATIONAL CODE FOR APPLICATION OF FIRES TESTS
PROCEDURES**
Appendix 1, Part 2

SMOKE AND TOXICITY TEST

TABLE OF RESULTS

GAZ		Limits (ppm)	Results		
			Condition 1	Condition 2	Condition 3
Carbon monoxide	CO	1450	30	30	300
Muriatic acid	HC	600	0	0	0
Hydrogen bromide	HBr	600	0	0	0
Hydrogen fluoride	HF	600	0	0	0
Hydrogen cyanide	HCN	140	0	0	0
Acid emanations	NOx	350	5	0	0
Sulfur dioxide	SO2	120	0	0	0
Specific optical density corrected average		200	103.2	94.9	140.3

Samples of materials were tested for smoke and toxicity generation according to the FMO resolutions, MSC 61 (67) appendix 1, part 2.

The tested samples reached and met the criteria defined for materials used as surface of wall and ceiling as required by the resolution.

Note: this document, extracted from the BARRISOL® test “ International Code for Application of Fires Tests Procedures ” is available in its entirety upon request.



