BP's Natural Wood Fibre Panels are amazingly gentle to the environment. They are made from recycled materials and contain absolutely no volatile organic compounds (VOC) and no formaldehyde. The binding agent is inoffensive wheat starch, yet the products have served exacting applications for decades without failure. Best of all, once the product has fulfilled its mission, it is totally reusable and can be transformed into another new material.

NATURAL wood fibre panels

BP Natural Wood Fibre Panels come in a variety of sizes and thicknesses and are used for many different applications: thermal insulation on the inside of the a building's exterior wall, sound attenuation in many wall and floor/ceiling assemblies, roof insulation/recover board, backer board, as shipping protection materials and other OEM manufacturing processes.

PROPERTIES AND FEATURES OF NATURAL WOOD FIBRE PANELS:

The trademarks manufactured and sold by BP in this category are:

- BP Natural Insulation Board
- BP Acoustic Board
- BP Natural Roof Insulation
- BP BIN[1] (board industrial – OEM), BP Calendar Board
- BP Prime Coat[2]

MANUFACTURING

Plant location : The BP Natural Wood Fibre panels are 100% manufactured in Canada at :

Building Products of Canada Corp.
420 Dupont, Pont-Rouge, Québec, Canada, G3H 1S2

LEED* MR 5.1 : Regional Materials (1 Point)
[for shipping by truck in a 800 km radius from point of origin or 2,400 km by rail]

Raw material procurement : Special effort is made to find suppliers of the raw materials required as close to the plant as possible. The majority comes from within a 60 km radius of the plant.

Product composition:

- **53%** of the raw materials used to produce Natural panels (% of total weight) is post-industrial cellulosic fibre in the form of chips: by-products of the lumber and furniture industries.
- **42%** is post-consumer cellulosic material extracted from building demolitions.
- **2%** of the pre-consumer materials comes from recycling "sub-grade" panels directly at the plant.
- The remaining portion is split between wheat starch (wood fibre binding agent), wax and coatings[1, 2] (all water based).

[1, 2] BIN and prime coat receive 1% to 2% coating substances.

LEED* MR 4.2 : Recycled Content (2 Points)
[for minimum 15% post-consumer plus ½ post-industrial]

Volatile organic compounds / formaldehyde BP Natural panels emit Ø VOCs: CFC/HCFC/Pantane and are 100% formaldehyde free.

LEED* EQ 4.4 : Low Emission Materials (1 Point)
[composite wood and agrifibre products containing no formaldehyde resins]

Recycle & reuse : Unused materials on job sites as well as products recovered at the end of the building's lifecycle can be recycled into other cellulosic based manufactured goods.

LEED* MR 2.1 : Construction Waste Management (2 Points)
[divert 50% from landfill: 1 Po point; 75%: 2 points]

WALL SYSTEM EFFICIENCY

Thermal resistance : In buildings' exterior walls, Natural Wood Fibre Panels add R3 per inch (R1.5 for ½" panels). The material yields solid support for other building material layers on the inside of the exterior wall or in roofing systems.

LEED* EA 1.1 : Minimum Energy Performance (Prérequisite)
[contributes to reducing energy consumption in the building]

ACOUSTIC IMPACT

Wood fibre sheathing is an excellent sound absorption material. It contributes greatly to improving the quietness of any room by reducing the level of sound that is transmitted from one side of a partition to another.

*LEED ® Canada-NC

Since 1904, Building Products of Canada Corp. has been manufacturing a wide range of building envelope and roofing products for North America market. All BP products comply with strict performance standards. For further information on any BP product, contact your sales representative or visit our web site at **bpcan.com**

LEED* CREDIT SUMMARY TABLE FOR NATURAL WOOD FIBRE PANELS

Credit	Description	Points
EA 1.1	Minimum Energy Performance	Req.
MR 2.1	Construction Waste Management	2
MR 4.2	Recycled Content	2
MR 5.1	Regional Materials	1
EQ 4.4	Low Emitting Materials	1