

## DESIGN+ETHICS

PC350 uses recycled content aluminum from Canada's largest and most advanced producer of remelt aluminum billet. Our aluminum products are made from extrusions manufactured 45 kilometers away that are extruded from casts processed 10km from the extruders. Given the fact that aluminum is infinitely recyclable, PC350 is a smart choice for LEED projects.

### Recycling aluminum does not impact energy or water with PC350 products

The remelt plant that we use for all our recycled content billets is one of only four state of the art facilities in North America. And, it is the only one of its kind in Canada.

Anyone recycling aluminum is reducing the use of primary aluminum, which ultimately reduces the need for strip mining. But we wanted to align with a remelt producer that did more than just recycle aluminum.

Using electromagnetic stirring in the melt process, energy loss is reduced and dross (salt cake waste) is minimized. Dross is typically sent to landfills. Waste heat from the remelt process is recovered to significantly

improve the energy efficiency of the process and the water used throughout the process is reclaimed, treated and reused, reducing the need for large amounts of portable water.

### What is the Recycled content composed of?

Half of all scrap used in our remelt billets are in the form of post consumer materials consisting of the following items which are sourced from the Greater Toronto Area:

- **Obsolete or post consumer**
  - truck wheels
  - car wheels
  - extrusions
  - coils, plate and sheet

### Materials & Resources Credits 4.1 & 4.2 - Regional Content

We strive to give our customers an exact answer to the question of "How much and what type of recycled aluminum content is in our products?" We see misleading documents everyday that exaggerates either the type or quantity of recycled product. In order to be 100% transparent and feel 100% confident in our statement,

PC350 hired an external consulting firm to analyze our aluminum products down to an exact percentage that we can provide to our clients with absolute certainty.

Each year, PC350 will analyze these percentages and alter the numbers where necessary, be it a positive or negative change. We currently state 21.62% of our aluminum is "post-consumer" while 57.06% is "pre-consumer/post industrial" content, for an overall total of 78.68% total recycled content in our aluminum frames.

### Materials & Resources Credits 5.1 & 5.2 - Regional Materials

PC350's aluminum extrusions are produced in local, Canadian owned extrusion plants. Our proximity to the remelt facility and our extruders is quite beneficial in helping our clients achieve points towards Materials & Resources Credits 5.1 & 5.2 - Regional Materials.

If your project is located between Toronto and Quebec City, or south towards parts of the north-eastern United States and north to parts of Northern Ontario and Northern Quebec, PC350 is your best solution.

Material	%	Type	Leed Recycled Content		Leed Regional Content		
POST CONSUMER	21.62%	POST CONSUMER	100%	21.62%	BRAMPTON, ON	BRAMPTON, ON	BRAMPTON, ON
P1020	18.84%	NEW	0%	0.00%	QUEBEC (723KM)*	BRAMPTON, ON	BRAMPTON, ON
P1020	2.09%	NEW	0%	0.00%	QUEBEC (916KM)*	BRAMPTON, ON	BRAMPTON, ON
INDUSTRIAL/ OTHER	52.00%	PRE-CONSUMER/ POST INDUSTRIAL	50%	26.00%	BRAMPTON, ON	BRAMPTON, ON	BRAMPTON, ON
INTERNAL RECYCLED	4.00%	PRE-CONSUMER/ POST INDUSTRIAL	50%	2.00%	BRAMPTON, ON	BRAMPTON, ON	BRAMPTON, ON
INTERNAL NEW	1.06%	PRE-CONSUMER/ POST INDUSTRIAL	0%	0%	BRAMPTON, ON	BRAMPTON, ON	BRAMPTON, ON
HARDENERS	0.39%	NEW	0%	0.00%	OUTSIDE NORTH AMERICA	BRAMPTON, ON	BRAMPTON, ON
	<b>100%</b>			<b>49.62%</b>			

\*Equivalent distance to Brampton by truck.

130 Nolan Court,  
Markham, ON L3R 2V7  
T: 905.475.6022  
E: info@pc350.com