

## Acoustical Wall and Ceiling Panels Eco-friendly solution using eco-friendly processing.

The manufacturing process of PET is a remarkably clean process. There is no environmental impact. No chemicals are used in conjunction with a very low energy process. All unused PET by products such as scraps, drops etc. are $100 \%$ recyclable and is put back into the manufacturing process to make the fiber. There is NO disposable waste.

Its sustainability jumps even higher when recycling is introduced since approximately $40 \%$ of PET's energy use is attributable to its "resource-energy" - the energy inherently trapped in its raw materials than can be recaptured and reused though recycling.

In the 60 years since PET was first synthesized, it has become one of the most widely used, versatile and trusted materials.


1. Soft drink and detergent bottles made from PET identified by the recycling symbol are collected from consumers.
2. Contaminants like lids and sticky labels are removed and the bottles are chipped into tiny pellets.
3. Pellets are washed and sanitized.
4. Pellets and color are fed into a hopper where a heater melts the pellets into a free flowing resin.
5. The resin is pumped through a sophisticated device known as a spinneret.
6. Cold air fans set the fine fibers extruded from the spinneret.
7. The fibers are drawn, cut and then blended into a web.
8. The web is then compressed and cut into panels - ready to use.
