

The image features a central lightbulb with a glowing green leaf pattern inside. The background is a dense field of green leaves, with several translucent green geometric shapes (triangles and polygons) overlaid. The text 'ESG - Sustainability Projects' is written in a bold, green, sans-serif font, centered over the lightbulb.

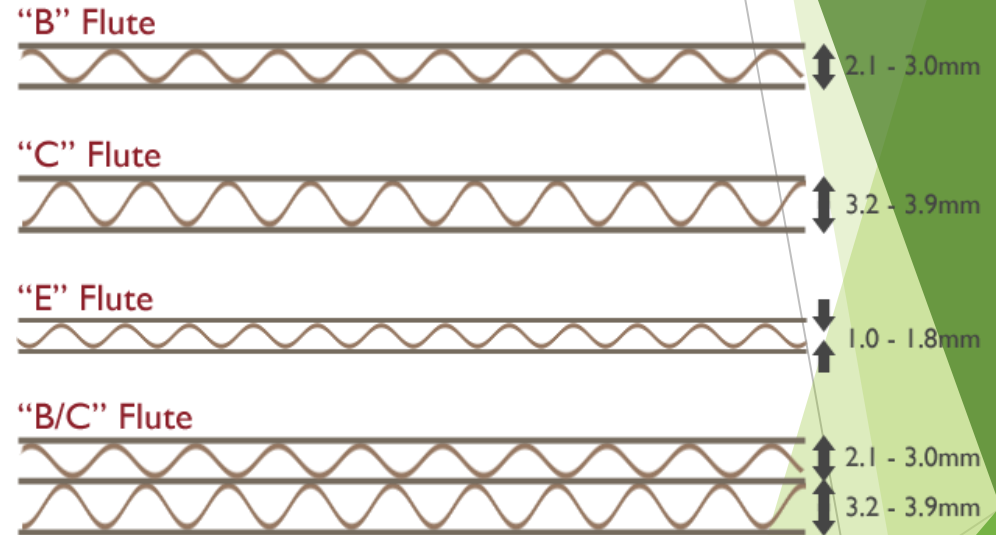
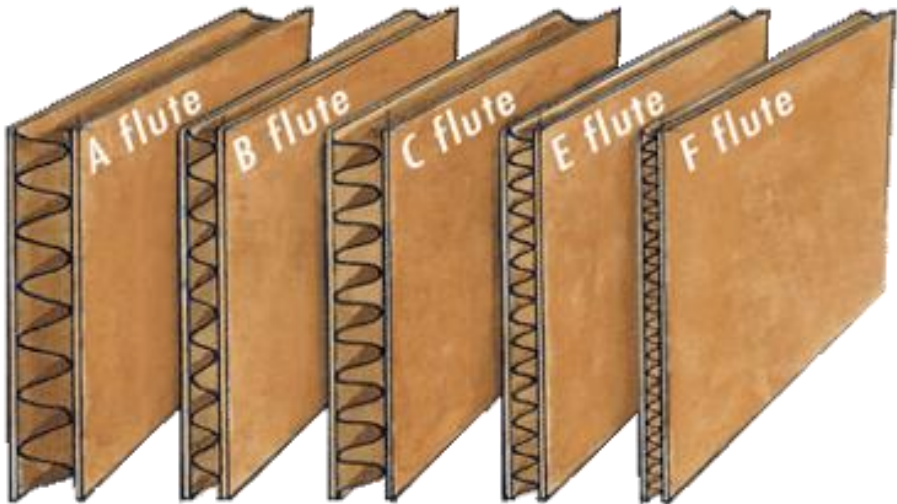
# ESG - Sustainability Projects

# Shrink Sleeves & Full Body Seals

- ▶ Promote shrink sleeves and full body seals (with perforations) and clear PET bottles
  - ▶ Move shrinks from PVC to PET material
    - ▶ PET is better for the environment
    - ▶ PET prices are competitive with PVC
    - ▶ Many countries are banning PVC material - Canada, Spain, South Korea, Czech Republic and more are restricting PVC packaging
  - ▶ Promote clear PET bottles over pigmented HDPE bottles.
    - ▶ Clear PET bottles can be recycled easier
    - ▶ PET has better barrier properties than HDPE
    - ▶ PET can be cheaper than HDPE
    - ▶ PET has a 55% recycle rate compared to 31% for HDPE
    - ▶ PET bottles can be 10-15% lighter than HDPE, reducing transportation costs
  - ▶ Perforations allow the end consumer to remove the shrink sleeve for proper recycling



# C-Flute to B-Flute



- ▶ Identify shippers that can move from C-Flute to B-Flute
  - ▶ Less space consumed in storage
  - ▶ Less fuel to ship B-Flute corrugate boxes

# Water Activated Carton Sealing Tape

- ▶ Water activated carton sealing tape
  - ▶ Equivalent or lower cost than pressure sensitive tape



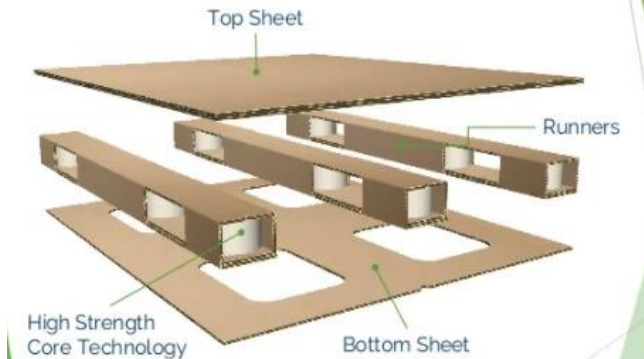
# Sustainable Gusset Bags

- ▶ Currently Have two sustainable bag options:
  - ▶ 100% Recyclable
    - ▶ Supplier: Takigawa
    - ▶ Material: Mono-Material Pouch (High Barrier)
    - ▶ Testing Completed and Approved: Bagger Machine Testing, Puncture Testing, Drop testing and Transit testing (Ground & Air)
  - ▶ 25% - 30% PCR (Post Consumer Recyclable)
    - ▶ Supplier: EPAC Bags
    - ▶ Material: PCR Soft Touch Matte PET; PCR Metallized PET; PCR White PE
    - ▶ Testing Completed and Approved: Bagger Machine Testing, Puncture Testing, Drop testing and Transit testing (Ground & Air)

# Corrugate Pallets

- ▶ Lightweight
  - ▶ Some cardboard pallets weigh only a third of the weight of a wood pallet
  - ▶ Weighs between 13-16 lbs.
  - ▶ Lighter-weight shipping materials deliver freight and fuel savings and can result in more product per shipment, making them ideal for export.
- ▶ Corrugated Pallets are Strong
  - ▶ Paper pallets can support a load up to 10,000 lbs. (about 4536 kg). For comparison, a standard wooden pallet can typically hold about 4,600 lbs. (about 2087 kg).
- ▶ Corrugated Pallets are Hygienic
  - ▶ They don't need to be heat treated or fumigated like wood does during the manufacturing process to prevent mold, fungi and the transfer of insects that could contaminate your products.
- ▶ Corrugated Pallets are Environmentally Friendly
  - ▶ Corrugated pallets can be made largely from recycled fiber content making them 100% recyclable and biodegradable in many cases.
  - ▶ paper pallets don't require nails or staples, they can be bailed and recycled along with other corrugated products like cardboard boxes.
  - ▶ Look for corrugated pallets that use non-hazardous, biodegradable and water-resistant adhesives, and suppliers that are SFI (Sustainable Forestry Initiative) Certified
  - ▶ Lightweight lowers fuel consumption and carbon emissions

## Pallet Construction



**LOADRUNNER**  
by context sonoco

Shown with optional 4-way runners and pallet jack access.

# Recycling Paper Pallets vs Wooden Pallets

- ▶ Recycling wooden pallets can be expensive. They must be taken to a facility that will shred the wood. and the recyclers must have access to metal separating tools like a magnet to take out the nails and staples before recycling. The process can be quite expensive.
- ▶ Paper pallets, on the other hand, can be put bale along with corrugated cardboard boxes and other corrugated packaging products. Doing this will lower your disposal costs and can also generate revenue upon proper disposal. This is a big win for corrugated pallets since they can only be used for one trip.

## Load Capacity Construction

<p><b>Light Duty</b> Double Wall Top Sheet, 9 cores, No Bottom Sheet</p>  <p>Up to 1,000 lbs</p>	<p><b>Medium Duty</b> Double Wall Top, 9 cores, Double Wall Bottom</p>  <p>Up to 1,500 lbs</p>
<p><b>Heavy Duty</b> Triple Wall Top, 12 cores, Double Wall Bottom</p>  <p>Up to 2,500 lbs</p>	<p><b>Extra Heavy Duty</b> Triple Wall Top, 16 cores, Double Wall Bottom</p>  <p>Up to 3,000+ lbs</p>

by conitex sonoco

# Fiber options for Drums

- ▶ Environmentally-Friendly Storage Solution

- ▶ Finally, all fiber drums are completely reusable and recyclable. They are environmentally friendly storage solutions and properly reused and or recycled can help minimize environmental pollution. If you are looking for a storage solution you can easily reuse, fiber drums are precisely what you need.

- ▶ Weight

- ▶ Compared to plastic and steel, fiber drums are extraordinarily light. This is as a result of the cardboard material used in making them. Hence, fiber drums help you save cost on shipping charges and fees.

- ▶ Price

- ▶ Lastly, fiber drums are relatively inexpensive, while steel and plastic are relatively competitive in cost. If you are looking for a safe and cost-effective packaging or containment solution, fiber drums are the perfect fit for you.