weaving a better world™

# InterWrap Market Sustainability Program
# Logistics and Consolidation

COATED PE/PP FABRIC | POLYOLEFIN CORES | WOODEN SHIPPING PALLETS

IW_MSPLC_6-SEP-2011

For maximum environmental benefit, proper consolidation of recyclable materials is critical to minimize the carbon footprint of handling and the cost of fuel. To optimize space in a truck or container, it is paramount to condense the material properly. To aid in this effort, the following guidelines are to be used for material consolidation, compaction and ease of handling for your own internal purposes and for the freight forwarder. These guidelines offer dimensions and pictures to ensure that we minimize waste and optimize the positive environmental impact that we are all trying to achieve.

*Coated PE/PP Fabrics*

*Polyolefin Cores*

*Wooden Shipping Pallets*

## *Coated Polyolefin or Polypropylene Fabrics* 2 4 5

InterWrap will accept any woven or non-woven Polyolefin or Polypropylene lumber wrap, packaging material, tarps, and other industrial fabrics. This includes products such as billboard media, house wrap, metal wrap and synthetic roofing underlayment. All coated woven fabrics and wrapping materials are created differently and may or may not be recyclable through the InterWrap Sustainability Program. The collection of coated woven fabrics must only contain materials made completely of polyethylene (PE) or polypropylene (PP) materials only. Any other materials present (other than material used for strapping and baling) are prohibited. All bails should consist of only one product type, either PE or PP. If any materials outside of PE or PP are found, the bundles will be returned to the sender at the sender's expense including any other applicable handling charges. If there are any questions regarding what is recyclable or not, please refer to the printed recycling symbols on the wrap or call your local InterWrap Sales Professional or Inside Sales Manager to determine the recycle-ability.

*Baled Wrap* – This method uses an hydraulic powered baler to compact the product and therefore is the best, most efficient and environmentally responsible choice. Compaction minimizes the carbon footprint of freight. All bales should be stacked three bales high in the container, see images A, B, C & D.
The approximate weight of each bale is about 350 kg (770 lbs) and the size is ideally 30" H x 50" D x 60" W.

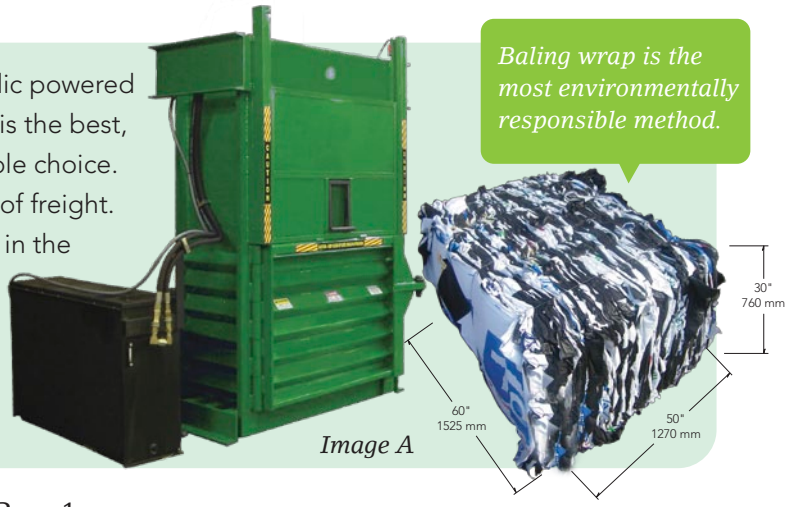



*Image A*

weaving a better world™

# InterWrap Market Sustainability Program
# Logistics and Consolidation

COATED PE/PP FABRIC | POLYOLEFIN CORES | WOODEN SHIPPING PALLETS


*Image B*


*Image C*

*Image D*

***Folded Wrap*** – The next best method is to fold the wrap and stack it uniformly onto a pallet. Fold, neatly stack and compress as much as possible. Then strap and stretch wrap into place to properly contain the load for shipping. A heavy steel plate is often used to help compress the folded wrap before strapping. Completed skids should be double stacked in the container (See image E).
The approximate weight of each pallet is about 250 kg (550 lbs) and the size is ideally 40"H x 48"W x 48"D.


*Image E*

***Bulk Wrap*** – This method uses either bulk bags or open steel bins to load folded wrap into. This method does not use compaction and is the least efficient for reducing freight cost. The approximate weight of each 40 cubic yard bin when fully loaded can weigh up to 5000 kg (11 000 lbs).
It is recommended to use bulk bags as fillers for top loading on shipments of returning cores or skids. A 80 cubic foot (40"H x 48"W x 48"D) woven bag will weigh approximately 50 kg (110 lbs). Bulk bags are available through InterWrap.

*Image F*

weaving a better world™

# InterWrap Market Sustainability Program
# Logistics and Consolidation

COATED PE/PP FABRIC | POLYOLEFIN CORES | WOODEN SHIPPING PALLETS

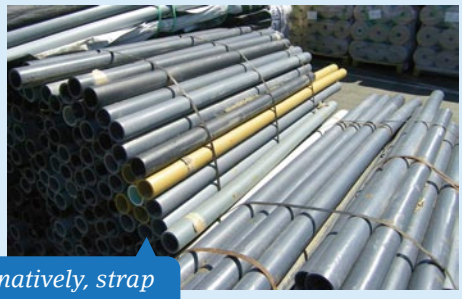
## *InterWrap Polyolefin Roll Cores*

*Palletized Roll Cores* – To best store and handle these cores, it is suggested that you use one of our existing InterWrap wood shipping pallets and attach six 45" vertical posts. Cores are then stacked on top of each other and contained into a "square" shape. Once full, three top boards can then be nailed to the upright posts for a total height of no more than 47". The entire load should then be strapped in place with three 3/4" steel straps to eliminate movement (See image G). This 40" or 42" wide pallet can then hold roughly 90 cores and be double stacked inside a container. It is suggested that each pallet contain the same length core for load stability and support.

The alternative method is to strap together like size bundles of cores using three standard 3/4" steel straps (See image H). It is recommended to tarp cores in transport if using a flat deck.

*Use InterWrap's shipping pallets to make a stackable core pallet.*

*Image G*



*Alternatively, strap together like size cores with at least three straps.*

*Image H*

## *InterWrap Produced Wooden Shipping Pallets*

*Wooden Shipping Pallets* – InterWrap will only accept pallets back that are in reusable condition. Please inspect these potential pallets for reuse before consolidating pallets by size. It is suggested that you stack the same size pallets up to 48" in height and then use 2-3 steel or plastic straps to hold this load securely together for shipment. Double stack pallets for shipping.

*Stack the same size pallets together 48" high & double stack for shipping.*

*Image I*