

## What is wonder board?

*Wonder board packaging is a versatile, economic, light, robust, recyclable, practical and yet dynamic form of packaging. There is much more to wonder board than just a box. Daily it is providing global solutions and benefits for all sorts of applications in all spheres of daily life.*

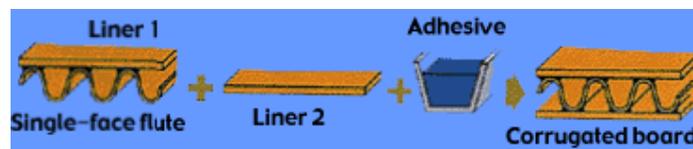
*Wonder board is a rigid shipping and packaging medium that can be cut and folded into an infinite variety of shapes and sizes, constructed to an almost scientific specification, even allowing direct print with high resolution graphics. This very effective form of transit packaging that provides protection, identification, economy and performance as it protects the product it packs across the globe is Wonder board.*

*Wonder board offers almost unlimited possible combinations of board types, flute sizes, paper weights, adhesive types, treatments and coatings. Wonder board is routinely; custom designed to meet specific customer requirements. Wonder board is a natural, environmentally friendly material with an unbeatable record for recycling and recovery.*

*Wonder board is an extremely flexible medium that accommodates a wide range of printing options to fully support the end user requirements. Wonder board can be printed by Flexographic, litho and silk screen. This is why Wonder board packaging is known as an effective sales and marketing medium - "the silent salesman".*

*Wonder board is made from papers made up from cellulose fibres, which are virgin or recycled. This makes Wonder board a renewable natural resource.*

*Wonder board is made from a combination of two sheets of paper called **liners** glued to a Wonder board inner medium called the fluting.*

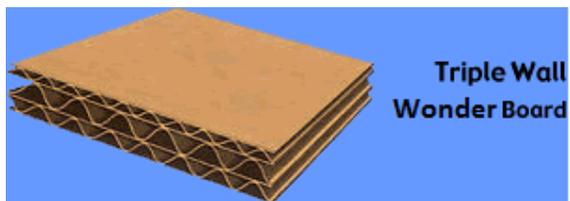
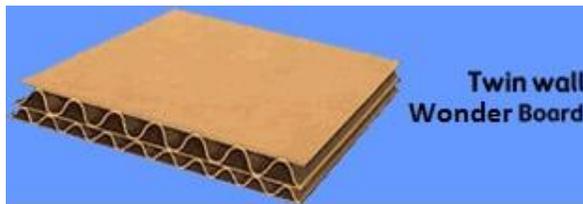
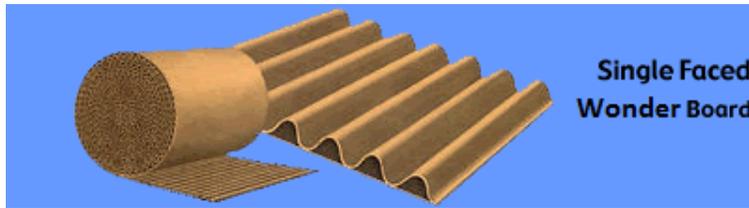


*These three layers of paper are assembled in a way which gives the overall structure a better strength than that of each distinct layer.*

*This construction forms a series of connected arches which are well known for their ability to support strong weights. This structure gives Wonder board considerable rigidity and*

resistance. The air circulating in the flutes also serves as an insulator which provides excellent protection against temperature variations.

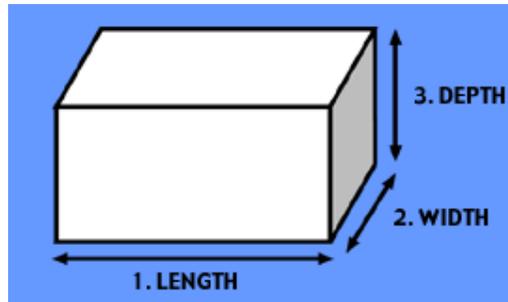
There are many types of Wonder board, each with different flute sizes and profiles which offer many combinations designed to create packaging with different characteristics, strength and performances.



The Wonder board is then cut and folded into an infinite variety of shape and sizes to become Wonder board packaging.

**Wonder board is a high performance packaging material designed to pack, protect and promote products.** Wonder board is engineered for stack ability. It withstands top and side pressure, is crush-resistant and passes burst-strength tests. Wonder board offers tear, tensile and burst strength to withstand shipping pressures. Wonder board resists impact, drop and vibration damage and offers uniform stacking and weight distribution.

**Measuring boxes is as easy as 1-2-3.** Box measurements always correspond to the inner dimensions of the box. This is done to ensure a snug and protective fit around your product.



Simply measure the **length, width, and depth** (or height) of what you would like to pack and express the measurements in millimetres. Make sure to give the dimensions in this order:

1. **length**
2. **Width**
3. **Depth**

Allow a minimum of 3mm extra to each dimension for the fitting. Be sure that the length and width do correspond to the opening of the box.

You can also provide us with a board size of the box. To do this fully open out the carton until it is just a single flat sheet and measure the length and width of the board. This board size is very useful when quoting for die cut boxes. If entering a quote enter flute direction as length and the other direction as width (**As style 0110**). Leave the depth blank.

### Wonder board Carton

This probably is the most common style of box (**0201**) with fold over flaps to seal at the top and bottom. It is also one of the most economical styles of box in that it produces very little waste and requires no origination for manufacturing unless it is to be printed.

### Die-Cuts

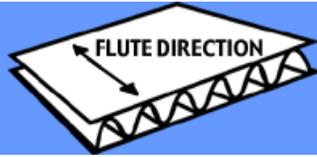
A very common style of box that is manufactured with the use of shaped die-cutting tools. This style of box ensures higher degrees of accuracy in size and consistency and allows for almost any shape or style of box to be manufactured. When a special size or style is required a tooling charge will be incurred as a one-off charge.

### Fittings and Internal Packaging

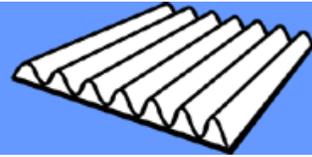
Internal fittings often form an important part of a packs overall design. The fittings can be simply separator pads to complex multipart Die-cut divisions. They perform a key role in the separation and cushioning of products and are fundamental to the overall performance of a packs design. Common types of fittings are pads, divisions and scored separation and void filling fittings. The use and design of fittings is always driven by the product and distribution requirement.

## Standard and Common Styles:

0110



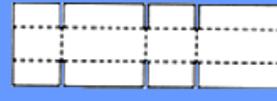
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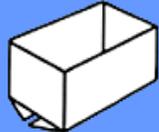
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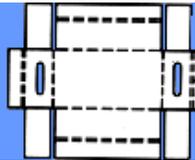
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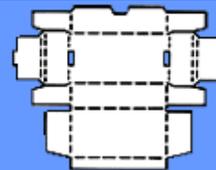
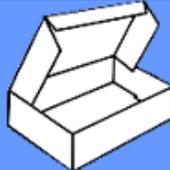
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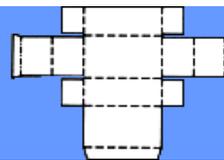
0430



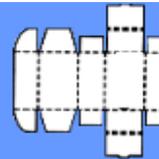
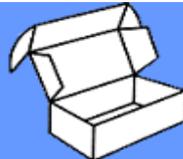
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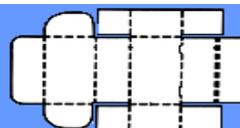
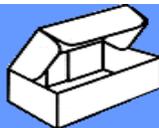
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0426



# Benefits of wonder board

## 100 % Natural origin

Wonder board is sustainable by nature. Thanks to its organic content, paper and starch glue, Wonder board is a genuinely natural product.

## Completely recyclable

Paper based packaging is 100% recyclable in most cases, becoming new paper again and again. It is an essential resource for the industry as it represents a raw material source.

Paper is one of the most recycled packaging material in the EU with a **recycling rate of 78 %** based on 2010 CEPI figures (the Confederation of European Paper Industries).

This results exceeds the 60 % target set in the packaging and Packaging Waste Directive, which had been reached in 1997 (European Commission data). In fact, the paper-based packaging recycling rate was already at 73.3 % in 2005 up from 63.8% in 2000 (Euro stat).

## Easy to dispose of

Because Wonder board is a one-material package, it can be quickly and easily disposed of. It is either pressed into an old-paper bale at the point of sale or folded for space-saving storage until being hauled away. Another advantage of Wonder board packaging is that boxes or trays can be collected without further sorting. Thus, businesses and consumers save valuable time and money.

## A clean new box each time



Wonder board is the cleanest solution for packaging foodstuffs. Why?

Because of very high temperatures applied during the manufacturing process (Wonder board manufacturing process uses heating elements with temperatures between 180 °C and 200 °C. The material itself reaches temperatures of at least 100 °C three times, once during the manufacture of the paper itself, and twice during the process of conversion to wonder board. In addition each package is used for only one delivery. This is true for fruit and vegetables, as well as bread, eggs, meat products, and other foods. Because with Wonder board, consumers and customers can be sure that every box, tray, and carton is being used for the first time.

## Robust and protective

Wonder board is resistant to shock, impact, dropping and vibration. It can endure the worse treatments without losing any of its incomparable properties. It is made from a combination of two sheets of paper called liners, glued to a Wonder board inner sheet called fluting. These three layers of paper are assembled in a way that gives the overall structure a better strength than that of each distinct layer.

This ingenious construction forms a series of connected arches that are well known for their ability to support strong weights. This structure gives Wonder board considerable lightness, rigidity and resistance. The rigidity and lightness of Wonder board packaging really helps to cut costs, while still guaranteeing maximum performance from the material, especially in terms of resistance to vertical compression. That strength to weight ratio is totally unique!

In addition, its ingenious construction provides remarkable shock absorption qualities as well as excellent thermal insulation.

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## Wonder box keeps the world moving



*Packaging is a key component of our modern life style and is becoming a more and more essential link for the supply chain. Being highly adaptable, wonder board is the ideal packaging material for fulfilling the varied expectations of logistics partners throughout the supply chain.*

*Wonder board can create added value to companies that are under constant pressure to drive down costs. Today, wonder board packaging is computer designed for maximum product fit and efficiency. EDI (Electronic data interchange) and web based transactions facilitate partnership with customers and are useful tools for stock monitoring and other processes.*

## Wonder board transports more of your product

*Using Wonder board packaging provides maximum stacking and space use, which guarantees that each vehicle can take on its full capacity. This means transport is optimized and as a consequence, there are fewer trucks on the road, less traffic, reduced CO2 emissions and real cost saving.*

*Compared to other systems, in an open loop system, Wonder board single trip packaging is established to be the best packaging solution especially when it involves long distances, because trucks can transport 3 times as many empty Wonder board packs than for example multi-way packaging, and up to 30% more packaged goods can be fitted onto a pallet.*

## Wonder board traces goods efficiently

*Wonder board packaging complies strictly with the European legislation on traceability by enabling the tracking and tracing of the packed product. Wonder board is an ideal packaging material for printing of all types of codes. Whether they are applied when packaging is manufactured or at the packing line, these codes are the key to computerised inventory systems which track the product through the chain.*

*Full traceability reduces stock loss because customers and retailers always know where the goods are stored; this improves shelf availability of products, enhancing consumer satisfaction and loyalty.*

*The industry is also investigating future trends such as the development of intelligent packaging. RFID may well replace barcodes one day. For this reason, the Wonder board industry is testing new applications with this new technology in order to be ready when it is more widely introduced Packaging for brand owners*

## Discover the 7 rules of efficient packaging

*Boxes have excellent run ability in an automatic environment; Wonder board is ideally suited for fully automated systems, it is easy to erect and can be filled at high speed on automated packing lines. Thanks to its lightweight, knockdown ability and stack ability, Wonder board packaging is easy to transport, handle, store and to dispose of. It also optimises floor space allocated to storage at all points of the logistics chain. Furthermore, it offers efficient and user-friendly solutions for bringing the products to the shelves in the stores*

**WONDER BOX**



**WOODEN BOX**



### **WONDER BOXES HAS MAXIMUM ADVANTAGES AGAINST WOODEN BOXES**

- 1) **LEIGHT IN WEIGHT WHICH MAKE TRANSPORTION EASY & CHEAPER**
- 2) **NO FUMIGATION REQUIRED AS PER U.S AND UK STANDARDS**
- 3) **100% RECYCLABLE AGAINST WOODEN BOXES.**
- 4) **EASY TO STOCK WHICH TAKES LESS SPACE TO MAINTAIN INVENTORY**
- 5) **FAST PACKING PROCESS WHICH SAVES LABOUR COST**
- 6) **100% WATER PROOF WHICH ELMINATES MOISTURE PROBLEMS**
- 7) **PROPER PRINTING CAN BE POSIBALE ON BOXES WHICH MAKES THE BRAND MORE POPULAR.**
- 8) **HIGH SHOCK ABSORBER AND CUSHIONING WHICH MAKE THE PRODUCT MORE SAFER THEN WOOD**
- 9) **30 TO 40% CHEAPER THAN WOODEN PACKING**
- 10) **MORE FLEXIBILITY IN DESIGNING&PACKING THE PRODUCT TO MAKE IT MAXIMUM SAFER.**
- 11) **SUITABLE FOR EVERY TYPE OF INDUSTRIES (FOOD, CHEMICALS, ENGINEERING, PHARMA,ETC)**

# PRODUCT GALLERY

