

# Sheet Packaging



*giroform*  


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# Sheets Packaging

**In order to meet the greatly increased demands made upon packaging in respect of quality and environmental protection, we produced a packaging concept following the completion of comprehensive investigations. Our concept contains all the comments made, and experience gained, since the introduction of our cut-size packaging in 1988.**

**This method of packaging has proved to be a great success and was also warmly welcomed under environmental considerations. This information gives an exact description and details of the components of our packaging method. The advantages of the packaging fall into two main categories:**

## **Perfect Protection**

- Packaging under production conditions
- complete protection of the paper during transportation and storage

## **Ecological aspects**

- easy to separate
- easy to collect
- recycling without problem
- no problems in disposal
- minimum amount of materials
- minimum weight
- minimum volume

This produces the following important advantages in comparison to other packaging methods:

## **Strong Ream-Wrapping**

The corrugated protective boards and the strong PE coated kraft paper ensure that the reams are not damaged when handled correctly.

## **Good Climatic Protection**

The PE coated kraft paper seals the product under production conditions.

The optimum conditioning of the paper is thus maintained for delivery to the printer.

## **Excellent Moisture Protection**

Complete wrapping of the pallet with packaging film ensures that pallets are completely protected against moisture during transportation. This guarantees efficient and trouble-free processing of the paper.

## **Stable Pallets, Edge Protectors**

The pallets are stabilized by the use of 4-fold-strap-ping and PE stretchfilm.

This gives the pallet good stability and protection.

## **Optimum Freight and Warehousing Costs**

By reducing the height of individual reams and increasing the pallet height to 1.40 m (gross) it was possible to increase the number of sheets per pallet.

In the case of standard substances this presented an increase from 24,000 to 30,000 sheets per pallet – an increase of no less than 25%! This produced great benefits in terms of warehouse space utilisation and helped to optimise freight costs.

## **Environmentally-Friendly Disposal Instead of Mountains of Plastic Waste**

Mountains of plastic waste and empty cartons are not produced – instead, the total amount of packaging materials used were greatly reduced in comparison to the usual methods of packaging, particularly in the amount of plastic used.

Furthermore, a great reduction in the number of pallets required was achieved.

The packaging material may be recycled or disposed of without problem.

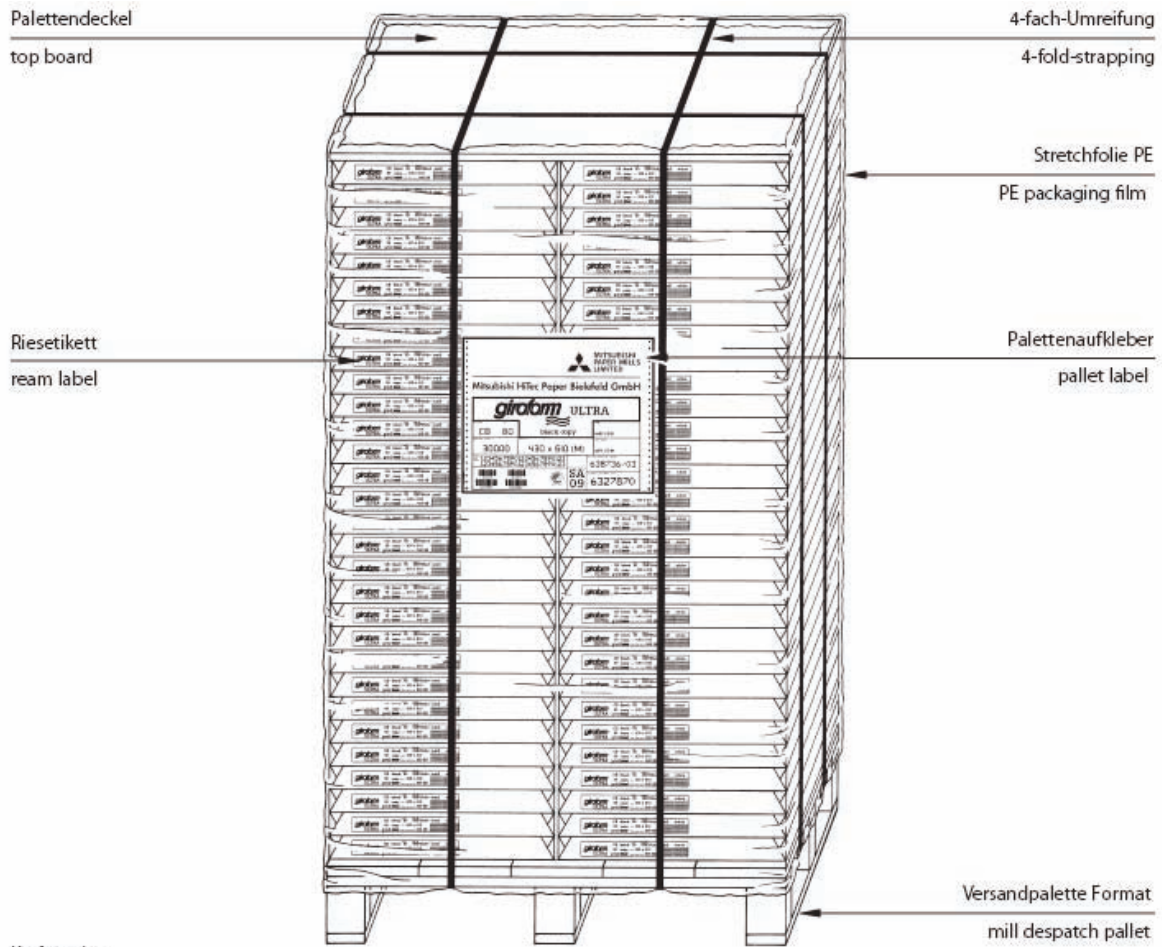
The expense and the space required for storage was reduced by an average of at least 70%! This is illustrated by the diagram inside this folder.

## **Giroform Design = Quality-Design**

The white kraft paper bears the brand name Giroform in an attractive blue.

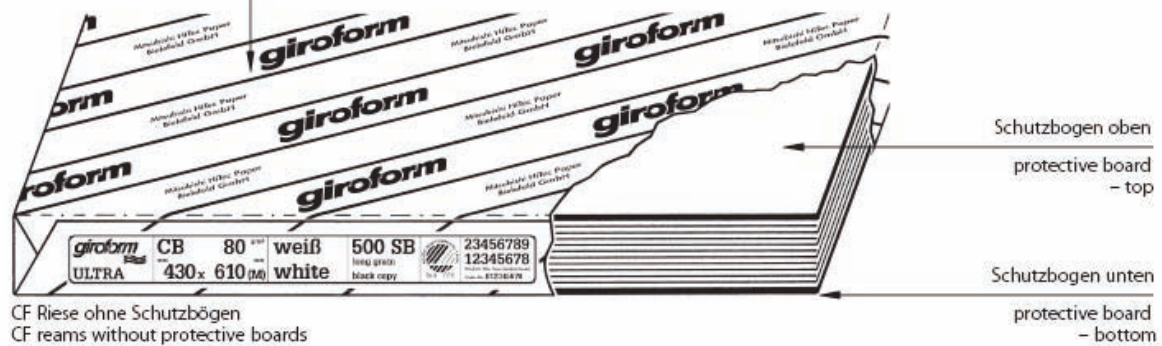
The Giroform image – simply the best.

# Standard Pallet Specifications



Kraftpapier  
PE-beschichtet (90 + 15)

kraft wrapping paper  
PE coated (90 + 15)



# Our Ream-Wrapping Alternative

Waste reduction – using the example of a standard pallet of sheet size 50 x 70 cm:

Gross Volume



Tare Volume  
Normal Pallets



Tare Volume  
Giroform Standard Pallet



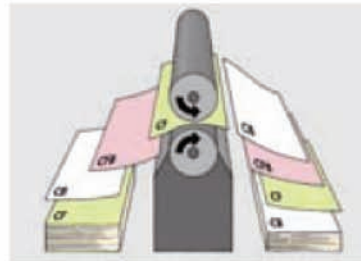
No paper waste		
Corrugated Cartons	43,0 kg	
Shrinking Film	1,5 kg	
<b>Total</b>	<b>44,5 kg</b>	
PE Kraft Wrapping Paper	6,0 kg	+
Corrugated Protective Board	17,0 kg	-60 %
Packaging Film	0,3 kg	-80 %
<b>Total</b>	<b>23,5 kg</b>	<b>-47%</b>
Volume		<b>-90 %</b>

The advantages of our ream-wrapping are: guaranteed climatic protection, easier handling, less warehousing space and simplification of waste disposal.

## Precollated

Giroform sheets are also supplied in precollated form. It can be precollated with either CB on top or CF on top for specific applications.

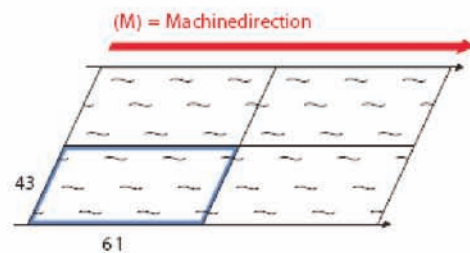
A minimum volume must be ordered, since there are virtually no established standards in Europe as regards the number of copies and colour sequence. Further information is available from our distribution centres.



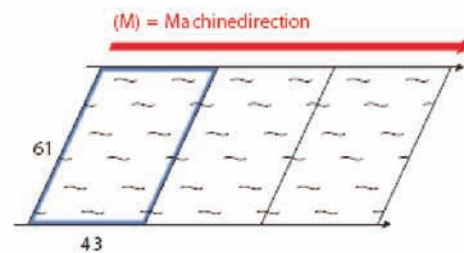
The functioning principle of precollated sheets:

CF on top,  
becomes  
CB on top.

## Description of machinedirection



43 x 61 (M) = Long grain (SB)



61 x 43 (M) = Short grain (BB)

	vorsortiert umgekehrt	precollated reverse order	CF 90 weiß CFB 86 rosa	white pink	<b>126 Sets à 4</b> <b>black copy</b> Mitsubishi HiTec Paper Bielefeld GmbH Code Nr. 012345678
	mm	mm	CFB 86 gelb CB 90 weiß	yellow white	
	<b>210 x 297 (M)</b>				