



**Something Cool**  
De Ridder Packaging

**COOL PACK**  
COLD CHAIN SUPPLIER

ENGLISH



Brochure insulating packaging boxes

**Transport your goods refrigerated or  
conditioned in insulating packaging boxes**

DECEMBER 2020  
DE RIDDER PACKAGING



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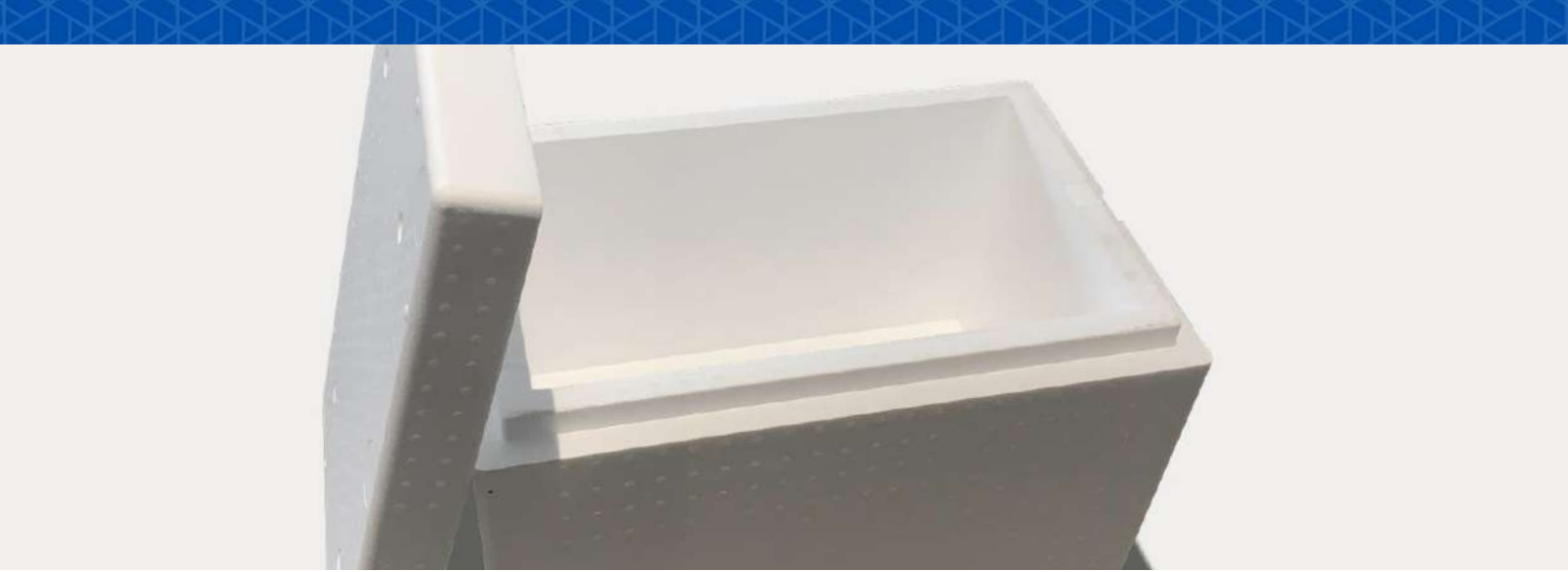
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# Introduction

In order to transport your (fresh) products with optimal conditions and to minimise the risk of quality deterioration, it is necessary to take some precautions. Indeed, certain products must be transported and stored chilled or conditioned. To cool these products, you can use refrigerants such as gel packs, dry ice, ice packs or shape retaining cooling elements. However, in order to guarantee optimal cooling capacity for a longer period of time, your goods must also be transported in well-insulated packaging.

Which packaging is most suitable for your application? You can read about it in this brochure. If you have any questions based on this brochure or if you would like to place an order, please do not hesitate to contact us. Our experts will be happy to help you.





## What are insulating packaging boxes?

Insulating packaging boxes are boxes with an insulating nature, which keeps the contents of the box at the desired temperature for a long time. There are various types of insulating packaging boxes. For example, at De Ridder Packaging we offer you EPS (tempex) boxes, EcoCool boxes and EPP boxes.

But there are also differences in insulation capacity within these types. The wall thickness of the packaging box and the use of materials are decisive here. The thicker the walls of the box are, the longer your goods remain at the desired temperature.

## Why and when do you need an insulating packaging box?

If you want to transport your goods chilled or frozen, it is advisable to provide good insulation in addition to refrigerants or freezers. You can do this by means of insulating packaging boxes. These are available in all sorts of sizes and can therefore offer an ideal solution in many situations.

By using an insulating packaging box, your goods will stay at the desired temperature for a longer period of time. In combination with cooling elements such as gel packs and shape retaining cooling elements, you actually create a kind of mobile fridge with passive cooling.

# Which packaging box is suitable for your application?

There are various possibilities with insulating packaging boxes. For example, there are packaging boxes that lend themselves perfectly for repeated use and have a long life, such as EPP boxes. For transports without a return procedure you do not need a packaging box that will last a lifetime. For such applications the EPS boxes and EcoCoolBoxes are more suitable.

The purpose of this brochure is to inform you about the different types of packaging so that you can make the right choice. For additional advice, you can always contact our experts, who will be happy to come up with a tailor-made solution.





## EPS box

EPS boxes are made of expanded polystyrene, also called Styrofoam, EPS or tempex. This material has a high insulation capacity and is light as well as shape-retaining. EPS also has a high level of impact and shock resistance. It is also insensitive to UV radiation, moisture and mould. As a result, your products are well protected during transport.

The thicker the walls of the EPS box are, the better the box's insulating capacity is. So pay close attention to this if you want to transport your goods cooled or conditioned.

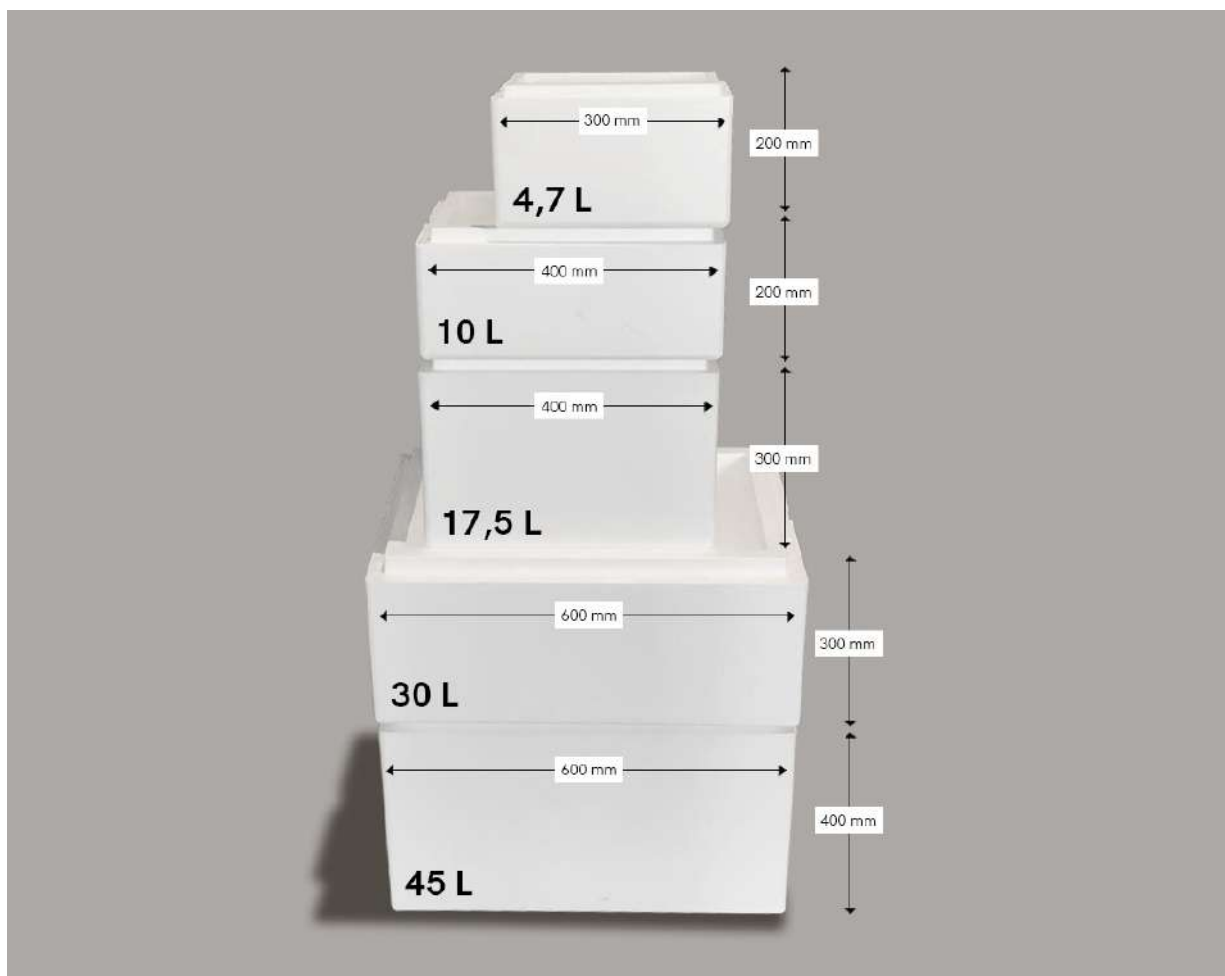
The EPS box is available with or without leakage holes. In almost all cases an EPS box without leakage holes is chosen. The version with leakage holes is mainly used for shipments with flake ice. Shrapnel ice is used for cooling fresh fish, for example. The flake ice melts during transport, causing melt water to end up in the box. By opting for an EPS box with leakage holes, the melted flake ice or melt water can drain away. EPS boxes are usually used for one-way transport of fish, meat, pharmaceuticals and medical products. It is often used for the refrigerated or conditioned shipment of goods such as food, blood samples or medication. Refrigerants such as gel packs are usually used for this purpose. These are often combined with absorption mats, which immediately absorbs any condensation that may occur during transport. In this way your goods arrive neatly and dry at their destination.

Do you have any questions or specific wishes? Feel free to contact our experts for custom advice.

## Standard measurements

Type	Outer size in mm (LxWxH)	Inner size in mm (LxWxH)	Pieces per pallet
3 Liter	215 x 215 x 240	135 x 135 x 150	200
4 Liter	335 x 260 x 75	303 x 228 x 60	360
4 Liter	260 x 245 x 215	180 x 165 x 135	160
4,7 Liter	300 x 200 x 200	240 x 140 x 140	240
6 Liter	320 x 260 x 110	290 x 230 x 95	250
6 Liter	301 x 220 x 214	245 x 164 x 158	200
7 Liter	305 x 265 x 290	215 x 175 x 190	112
7 Liter	400 x 300 x 90	365 x 265 x 75	240
10 Liter	400 x 300 x 115	365 x 265 x 123	180
10 Liter	400 x 300 x 200	330 x 230 x 140	120
11 Liter	520 x 300 x 100	490 x 270 x 85	180
12 Liter	400 x 300 x 140	365 x 265 x 125	168
12 Liter	600 x 300 x 100	560 x 265 x 80	120
13 Liter	480 x 300 x 120	440 x 260 x 110	140
14 Liter	480 x 320 x 135	450 x 290 x 110	120
14 Liter	500 x 400 x 100	460 x 350 x 90	120
14 Liter	400 x 300 x 160	365 x 265 x 145	140
14 Liter	480 x 320 x 190	430 x 270 x 120	90
15 Liter	375 x 375 x 235	305 x 305 x 165	75
17 Liter	600 x 400 x 107	550 x 352 x 87	80
17 Liter	447 x 392 x 310	330 x 270 x 190	48
17,5 Liter	400 x 300 x 300	330 x 230 x 220	70
20 Liter	480 x 300 x 180	440 x 270 x 165	85
20 Liter	380 x 250 x 315	343 x 213 x 275	96
20 Liter	690 x 360 x 130	640 x 310 x 100	60
21 Liter	500 x 400 x 150	470 x 370 x 120	90
21 Liter	400 x 400 x 418	275 x 275 x 275	36
22 Liter	480 x 320 x 190	450 x 290 x 165	80
22 Liter	600 x 400 x 130	550 x 352 x 115	80
23 Liter	600 x 400 x 150	550 x 350 x 120	60
23 Liter	418 x 317 x 315	358 x 257 x 250	70
24 Liter	600 x 300 x 188	560 x 264 x 160	70
27 Liter	550 x 380 x 200	490 x 320 x 170	70

28 Liter	690 x 360 x 170	650 x 310 x 140	60
28 Liter	600 x 400 x 170	550 x 352 x 145	60
28 Liter	375 x 375 x 375	305 x 305 x 305	45
29 Liter	780 x 390 x 145	730 x 340 x 115	48
30 Liter	600 x 400 x 300	500 x 300 x 200	40
31 Liter	600 x 400 x 190	550 x 350 x 160	60
39 Liter	600 x 400 x 235	550 x 350 x 205	50
40 Liter	600 x 500 x 190	550 x 450 x 160	40
41 Liter	606 x 407 x 274	545 x 346 x 220	40
42 Liter	600 x 400 x 250	550 x 350 x 220	50
43 Liter	780 x 390 x 205	730 x 340 x 175	40
44 Liter	600 x 400 x 300	540 x 340 x 240	40
45 Liter	600 x 400 x 400	500 x 300 x 300	30
56 Liter	606 x 407 x 349	545 x 346 x 295	35
173 Liter	800 x 600 x 650	680 x 480 x 530	6 sets
238 Liter	800 x 600 x 850	680 x 480 x 730	6 sets







# EcoCoolBox

The EcoCoolBox is an environmentally friendly insulation packaging. This packaging is 100% recyclable. This is because the EcoCoolBox is made of clean recycled cardboard fibres that are free of mineral oils. These are packaged in flexible and breathable paper packaging. The cardboard fibres fully comply with the European directives for food contact.

This enables the EcoCoolBox to give very effective protection to products that are sensitive to temperature influences. In addition, the cardboard fibres have excellent moisture regulating properties which limit the influence of moisture in the environment of the packaging. The performance of the EcoCoolBox can be derived from the high insulation value of the cardboard fibres and the wall thickness of the packaging.

For a good cooling result, use the EcoCoolBox in combination with gel packs. For some goods it is wise to use absorption mats in combination with gel packs, so that any condensation that is created during transport is immediately absorbed. If you want to transport frozen products, you can also use the EcoCoolBox in combination with dry ice.

The EcoCoolBox is usually used as a more environmentally friendly alternative to the EPS box. The EcoCoolBox can be used for a wide range of applications and is ideal for shipments without a return procedure. Think for example of deliveries of food and medical articles. The recipient can simply dispose of the EcoCoolBox with other paper waste.

Depending on your order quantity, it is possible to have your EcoCoolBoxes printed with your own logo. In this way, your customers receive their products in sustainable, personal packaging. Do you have any questions or specific wishes? Feel free to contact our experts for custom advice.

## Standard measurements

Type	Outer size (LxWxH)	Inner size (LxWxH)	Pieces per pallet
EcoCoolBox with closing, brown	395x295x295 mm	330x235x235 mm	48
EcoCoolBox with separate lid, white	395x295x295 mm	330x235x235 mm	48
EcoCoolBox brown	600x400x375 mm	520x325x300 mm	20



## EPP box

The EPP box is an insulating box made of Expanded Poly Propylene (EPP) and is 100% recyclable. EPP has a high insulation value due to the compressed material. This material is light in weight but at the same time very strong. This makes the EPP box very suitable for repeated use. The inside of the box has been processed in a special way, making it easy to clean. EPP is also resistant to detergents and numerous chemicals. This guarantees a long lifespan.

The EPP boxes are not only practical because of the sustainable material and easy way to clean them, but also because they are easy to stack. Because of the handles and the light weight, the EPP box is easy to use. The EPP box also has sticker fields.

You can also use shape retaining cooling elements for an optimal cooling result. These are sustainable as well. Ridder Packaging supplies cooling elements that fit exactly in the lid of the EPP box. Of course, you can also choose other refrigerants, such as gel packs and ice packs. Dry ice is a good option if you want to transport your goods frozen.

The EPP boxes are used in transports with a return procedure. The boxes have a very long life. EPP boxes are particularly popular in the catering industry and food logistics. Think for example of supermarkets with web shops and catering companies. The size of the EPP box is such that a carton of milk or a bottle of fresh orange juice can be transported standing up.

The EPP boxes are packed individually. Do you have any questions or specific wishes? Feel free to contact our experts for custom advice.

### Standard measurements

Type	Length x Width x Height	Wall thickness	Contents
EPP cooling box with lid without cooling piece	600x400x328 mm	33 mm	Ca. 46 Liter
EPP cooling box with lid and cooling piece	600x400x380 mm	33 mm	Ca. 46 Liter

# About De Ridder Packaging

For over fifteen years, De Ridder Packaging has been supplying the best chilled materials and we provide specialized advice on conditioned transport. Since 2014 De Ridder Packaging is part of the Bunzl Group. De Ridder Packaging's product range varies from standard and customized chilled packaging, gel packs, ice packs, absorption mats and EPS boxes to total solutions for chilled and conditioned transport. Everything to ensure that your products arrive at their destination in optimal condition.

De Ridder Packaging is a reliable partner for cooling products and applied packaging materials. We always look for the best solution for the temperature-controlled transport of your products. Thanks to our own production facilities on site, customised solutions can be delivered that are specifically designed for your application. De Ridder Packaging's products are of excellent quality and meet all the requirements of the law.

Do you have any questions, would you like to order or would you like advice? Feel free to contact us using the details below. Our experts will be happy to help you.



**COOL** **PACK**  
❄️ COLD CHAIN SUPPLIER



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