Page 2  Our Story

Page 3  Fibre Drums
   • LeverLoc Fibre Drums
   • Econo All-Fibre Drums
   • EnviroLoc Fibre Drums
   • WastePac Fibre Drums
   • V-Mark Lab Small Drums
   • Tablet Safe Foam Lined Drums
   • Fibre-Free Cleanroom Fibre Drum
   • AeroPac Aerosol Disposal Fibre Drum

Page 5  Curtec Plastic Drums, Screw-Top
   • Wide Neck Drums
   • Total Opening Drums
   • Nestable Drums
   • Square Drums
   • Conductive Drums
   • UV Safe Drums
   • Packo Pharma Grade
   • Packo UV-Safe

Page 7  Plastic Drums, LeverLoc and Tighthead
   • Open-Top LeverLoc Plastic Drums - Round
   • Open-Top LeverLoc Plastic Drums - Square
   • Tighthead Plastic Drums
   • Jerricans

Page 8  Steel Drums
   • Open-Top Steel Drums
   • Open-Top Steel Drums - Conical
   • Tighthead Steel Drums
   • Salvage Drums

Page 9  Plastic & Tinplate Pails
   • Ropac Secure - Solids
   • Ropac Prime - Liquids
   • Conical Tapered Pails
   • Rectangular Tins

Page 10  IBCs, FIBCs & UN Boxes
   • IBC - Standard
   • IBC - Explosive Zones (EX)
   • UN Certified Boxes

Page 12  Accessories
Our Story

Industrial Packaging was founded in Dublin City Centre, by Fred Lee, in 1947. Three generations later, the company remains 100% family-owned and operated. From our two purpose-built factories in Bray, Co. Wicklow, we employ a team of over 40 packaging specialists.

We manufacture and distribute high performance, industrial containers designed to both protect our customers' products and to protect people and the environment from the products packed inside.

Our team prides ourselves on having the technical knowledge and engineering capability to solve problems for our customers.

If you have a high value, sensitive or hazardous product packaging problem we would love to hear from you.
**FIBRE DRUMS - MANUFACTURED IN WICKLOW**

**LeverLoc Fibre Drums**
Protection: Fibre drum with metal chimbs, lever closure and a plastic lid
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1G for solids
Material Composition: Fibre, steel and HDPE
Sizes: 17 | 20 | 30 | 34 | 47 | 52 | 62 | 84 | 103 | 113 | 120 | 140 | 143 | 175 | 205 | 220 Litre
Use Case: Bulk packaging of high value products such as powders, tablets and granules

**Econo All-Fibre Drums**
Protection: Convolute wound body reinforced with a kraft-lined polyethylene coating, fibreboard slip on lid and fixed base
Tamper Evidence: No
Stackable: Yes
UN Cert: 1G for solids
Material Composition: Fibre
Sizes: 17 | 47 | 100 | 110 | 160 Litre
Use Case: Lower value food products or waste products such as PPE

**Enviroloc Fibre Drums**
Protection: Fibre drum with metal chimbs, lever closure and a plastic lid, laminated kraft-lined/polyethylene coated fibreboard base
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1G for solids
Material Composition: Fibre, steel and HDPE
Sizes: 35 | 75 | 64 Litre
Use Case: Packing of high-value solids. Drum components are easily separated by hand at end of life for recycling.

**WastePac Fibre Drums**
Protection: Convolute wound multiple-ply kraft, reinforced by galvanized steel bands crimped to top and bottom and securing the plywood reinforced base
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1G for solids
Material Composition: Fibre, steel and HDPE
Sizes: 120 | 210 Litre
Use Case: Alternative to steel, ultra-strong, outdoor-friendly, for waste.
**V-Mark Lab Small Drums**

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid, Alufoil liner on inner wall and base and outer wall painted with lacquer to provide extra protection

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1GV marked for lab smalls

**Material Composition:** Fibre, steel, HDPE and integrated liner

**Sizes:** 30 | 60 | 120 Litre

**Use case:** Specifically tested and certified to contain and transport dangerous lab smalls.

---

**Tablet-Safe Foam Lined Drums**

**Protection:** Fibre drum with metal chimbs, lever closure, plastic lid, foam integration into base, side wall and lid

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, steel, HDPE, foam liner, foam pad

**Sizes:** 17 | 20 | 30 | 34 | 47 | 52 | 62 | 84 | 103 | 113 | 120 | 140 | 143 | 175 | 205 | 220 Litre

**Use Case:** Bulk tablet shipments. Mitigates tablet crush in uncoated and shaped tablets.

---

**FibreFree Cleanroom Fibre Drum**

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid, poly-lined both internally and externally ensuring no exposed fibre

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, metal, plastic and poly-lined

**Sizes:** 140L standard or custom

**Use Case:** Designed for cleanrooms and GMP production areas

---

**AeroPac Aerosol Disposal**

**Protection:** Fibre drum with metal chimbs, lever closure, plastic vented lid and an integrated liner and absorbent pad

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, metal, plastic, integrated liner & absorbent pad

**Sizes:** 30 | 60 | 120 | 220 Litre

**Use Case:** Packaging & transport of waste aerosol cans
**Wide Neck Drums**
Protection: Water (Vapor) Tight
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 3.6 | 6 | 10 | 15 | 20 | 26 | 42 | 55 | 68 Litre

**Total Opening Drums**
Protection: Water (Vapor) Tight
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 17 | 26 | 34 | 39 | 55 | 64 | 75 | 90 | 110 Litre

**Nestable Drums**
Protection: Water (Vapor) Tight
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 30 | 40 | 50 | 60 | 75 | 115 | 120 | 150 Litre

**Square Drums**
Protection: Water (Vapor) Tight
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 40 | 50 | 66 | 80 Litre

**Conductive Drums**
Surface Resistivity: ≤ 1,000,000 Ohm
Protection: Water (Vapor) Tight
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 26 | 75 Litre
**UV Safe Drums**

*UV Protection 200 – 400 nm Range*

**Protection:** Water (Vapor) Tight  
**Tamper Evidence:** Yes  
**Stackable:** Yes  
**UN Cert:** 1H2 for solids  
**Material Composition:** HDPE  
**Sizes:** 6 | 15 | 26 | 55 Litre

---

**Packo – Pharma Grade**

**Protection:** Water (Vapor) tight jar with screw lid and inner-seal or screw lid with integrated gasket. 90 degree open/close turn. Smooth inside.  
**Tamper Evidence:** Yes  
**Stackable:** No  
**UN Cert:** 1H2 for solids  
**Material Composition:** HDPE  
**Sizes:** 300 | 500 | 650 | 1000 | 1300 | 1500 | 2000 | 2500 ml

---

**Packo – UV Safe**

**Protection:** Water (Vapor) Tight jar with screw lid and inner-seal or screw lid with integrated gasket. 90 degree open/close turn. Smooth inside. UV protection within the 200 – 400 nm range.  
**Tamper Evidence:** Yes  
**Stackable:** No  
**UN Cert:** 1H2 for solids  
**Material Composition:** HDPE  
**Sizes:** 300 | 500 | 650 | 1000 | 1300 ml

---

**Click Pack**

**Protection:** Water (Vapor) Tight. Pail with screw lid. 90 degree open/close turn. Smooth inside.  
**Tamper Evidence:** Yes  
**Stackable:** Yes  
**UN Cert:** 1H2 for solids  
**Material Composition:** HDPE  
**Sizes:** 6 | 10 | 15 | 20 | 25 Litre
Open Top LeverLoc Plastic Drums - Round
Protection: Robust and lightweight open-top drums. Lever-clamp security seals and vented lids available.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids & liquids
Material Composition: HDPE & Steel
Sizes: 20 | 30 | 60 | 120 | 150 | 208 | 220 Litre
Use Case: Solids, powders, liquids, pastes

Open Top LeverLoc Plastic Drums - Square
Protection: Robust & lightweight open-top drums, lever-clamp security seals & vented lids available. Square shape increases transport efficiency.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE & Steel
Sizes: 30 | 33 | 60 | 125 Litre
Use Case: Solids, pastes, tablets

Tight Head Plastic Drums
Protection: Robust & lightweight, 2” bung, UN approved for transport of liquids
Tamper Evidence: Yes
Stackable: No
UN Cert: 1H1 for liquids
Material Composition: HDPE
Sizes: 60 | 120 | 210 | 220 Litre
Use Case: Storage and transport of high value or hazardous liquids

Jerricans
Protection: Robust and secure jerrican. Transport cost-efficient. Vented cap available. Integrated spout available (20L). EU food grade & FDA.
Stackable & Tamper Evidence: Yes
UN Cert: 3H1 for liquids
Material Composition: HDPE
Can Sizes: 2.5 | 5 | 10 | 20 | 25 Litre
Stock Colours: Natural | Blue | Range of other colours available to order
Open Top Steel Drums
Protection: Strong and durable barrel for protection of high value solids & liquids. Branding and painting options available. Can be supplied with internal lacquer.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A2 for solids and liquids
Material Composition: Steel
Sizes: 98 | 212 | 216 Litre
Use Case: Packing of high value or hazardous solids and liquids

Open Top Steel Drums - Conical
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A2 for solids and liquids
Material Composition: Steel
Sizes: 30 | 60 | 100 | 120 | 218 Litre
Use Case: Packing of high value or hazardous solids and liquids

Tight Head Steel Drums
Protection: Strong and durable barrel for protection of high value liquids. Branding and painting options available. Can be supplied with internal lacquer and internal poly-bottle.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A1 for liquids
Material Composition: Steel
Sizes: 12 | 14 | 25 | 60 | 208 | 216 Litre
Use Case: Packing of high value & hazardous liquids

Salvage Drums
Protection: Salvage drum designed to safely transport or dispose of used, out of date or damaged plastic drums. Can be lacquered internally.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A2 (Steel) & 1H2 (MDPE)
Material Composition: Steel or MDPE
Sizes: 320 Litre
Use Case: Storage, transport & disposal of expired/damaged drums
Ropac Secure – Solids
Protection: Tough and durable drum for the protection and transport of high value solids.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for solids
Material Composition: HDPE
Sizes: 3 | 5 | 6 | 10 | 15 | 20 | 31 | 32 Litre
Use Case: Storage and transport of high value and hazardous solids

Ropac Prime – Liquids
Protection: Tough and durable drum for the protection and transport of high value liquids. Lids can be fitted with a flex-spout for easy and safe emptying.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1H2 for liquids
Material Composition: HDPE
Sizes: 5 | 10 | 15 | 20 Litre
Use Case: Inks, Coatings, adhesives or paint

Conical Tapered Pails
Protection: Strong and durable barrel for protection of high value liquids. Branding and painting options available.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A1 for liquids
Material Composition: Steel
Sizes: 2.5 | 3 | 4 | 5 | 6 | 6.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 21 | 23 | 25 | 26 | 28 | 29 | 30 | 34 | 35 | 45 | 55 | 60 Litre
Use Case: Storage and transport of solvent-based liquids, chemicals, paints, adhesives, lacquers etc.

Rectangular Tins
Protection: Light and durable tins for protection of high value liquids. Branding and painting options available.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 1A2 for liquids
Material Composition: Steel
Sizes: 330 | 540 | 820 | 1100 | 3400 | 4800 | 5700 | 6100 ml
Use Case: Storage and transport of various valuable liquids
IBC – New & Reconditioned
Protection: Durable HDPE container surrounded by a steel tube cage and a composite/steel frame pallet.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 31HA1 for liquids
Material Composition: HDPE, Steel, Wood
Sizes: 300 | 600 | 800 | 1000 Litre
Use Case: Space efficient storage and transport of bulk liquids

IBC – Explosive Zones
Protection: Durable HDPE container surrounded by a steel tube cage and a composite/steel frame pallet. Specifically designed for use in explosive zones 1 & 2 and for flammable liquids with a flashpoint below 61°C.
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 31HA1 for liquids
Material Composition: HDPE, Steel
Sizes: 1000 Litre
Use Case: Space efficient storage and transport of flammable liquids such as alcohols, ethers, solvents.

FIBCs – Flexible IBCs
Protection: Flexible Industrial Bulk Containers are a cost effective solution for transporting lower value solids. Integrated forklift loops. Custom branding & printing available.
Tamper Evidence: No
Stackable: Yes
UN Cert: 13H3 for solids
Material Composition: Food grade PE fabric with PE liner
Sizes: 1000 | 1200 Litre & Custom
Use Case: Storage & transport of food powders, pharmaceuticals, minerals, chemicals and waste.

UN Certified Boxes
Protection: Heavy duty boxes. 100% recyclable. Light for air freight. Pallet boxes available (1078 Litres)
Tamper Evidence: Yes
Stackable: Yes
UN Cert: 4G for solids and 4GV for Liquid combination pack
Material Composition: Kraft paper
Sizes: 6 | 10 | 16 | 24 | 28 | 40 | 65 | 90 | 158 | 240 | 1000 Litre
Use Case: Shipping of hazardous materials & light, but bulky waste
Security Seals
Industrial Packaging stock a range of tamper evidence and security seals for drums and IBC’s. We can also offer bespoke logo printed seals to tie in with your brand image and enhance tamper evidence.

Caps, Bungs & Lids
Whether it’s for spares or a specialist application, we keep of stock of caps, bungs & lids to match all the containers we supply.

Drum & IBC Tools
It’s important to have the right tool for the job. To help our customers stay compliant with ADR, as well as H&S, we have sourced a range of hard to find tools for torquing and closing the industrial containers we supply.
OUR PACKAGING SPECIALISTS

Rob Lee
Role: Rob was very proud to join the family business in 2010. Prior to this, he had worked in both the Chemical and Marketing industries. As a qualified Dangerous Goods Safety Adviser, Rob is our Pharma, Chemical, Food and Dangerous Goods Packaging expert.

Speciality: Sales & Marketing Director + DGSA

Email: rob@industrialpackaging.ie

Number: +353 86 057 9144

Graham Kennedy
Role: As a Technical Account Manager, Graham has over 10 years experience in business developement, account management, business analytics and packaging. Graham’s role is to welcome new business and make sure his clients requirements are always met. Graham is a qualified Dangerous Goods Safety Advisor (DGSA) and MSc.

Speciality: New Business Development, Account Management & DGSA

Email: graham@industrialpackaging.ie

Number: +353 87 103 5965

Kevin Perks
Role: Having joined in 2016, Kevin has a background in both warehousing and customer service. He is dedicated to keeping our customers happy and managing our supply chain on a daily basis.

Speciality: Customer Service & Logistics

Email: kevin@industrialpackaging.ie

Number: +353 1 2864010
Introduction to UN Packaging

This guide contains pictures and information on the various UN certified package types manufactured and distributed by Industrial Packaging Ltd.

It is meant for information purposes only. In all cases the choice of a package type for a given specific substance should be made by a certified Dangerous Goods Safety Advisor (DGSA) or a competent person with reference to the ADR. It is the packer / shipper’s responsibility to ensure that all relevant ADR conditions are satisfied.

Industrial Packaging Ltd can provide a qualified DGSA for a packaging consultation, to outline the container options available for any given substance.

Interpretation of UN Marking System

To facilitate international trade and the transport of dangerous goods worldwide the United Nations Committee of Experts in Geneva drew up a set of rules, governing the standard and type of packaging which can be used for the transport of dangerous goods.

All dangerous goods that are regulated under the various transport regulations must be contained in UN approved packages for transport. These packages must undergo specific type testing before they can be certified by a competent authority as UN approved. The approval marking is then printed, labeled or embossed on the package as in the diagram shown on the right.
The example below shows the approval marking for a fibre drum, approved to carry packing group (PG) I, II or III solids with a maximum gross mass not exceeding 100KG. It was manufactured in Ireland in 2014. Using the legend it is possible to decode the markings on all UN packages. More examples are given throughout this guide.

```
IG / X75 / S / 14 IRL / 1-0002
```

This refers to the type of package:

1. Drums/Pails
2. Wooden Barrels
3. Jerricans
4. Boxes
5. Bags
6. Composite Packagings
0. Light gauge metal packagings

This refers to the material the package is made from:

A. Steel (all types & surface treatments)
B. Aluminum
C. Natural wood
D. Plywood
F. Reconstituted wood
G. Fibreboard
H. Plastic Material
L. Textile
M. Paper, multiwall
N. Metal (other than steel or aluminium)
P. Glass, porcelain or stoneware

There may be two letters here, e.g. HA means plastic in metal

Specific gravity (if for liquids) or Maximum gross weight in kgs (if for solids or inner packages)

Hydraulic test pressure in kPa (if for liquids) or the letter ‘S’ (if for solids or inner packages)

Year of manufacture

Code for manufacturing plant

Country of manufacture

This is the Packing Group for which the drum was tested:

X for Packing Group I, II, III
Y for Packing Group II & III
Z for Packing Group III

Industrial Packaging Ltd.
Killarney Road,
Bray, Co. Wicklow

sales@industrialpackaging.ie
www.industrialpackaging.ie
+353 1 286 4010