

PIG Collapsible Spill Bund Instructions For Use

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Technical details on p4:

Stocked Item# PAKE900, reference vendor item# ET02M

Stocked Item# PAKE901, reference vendor item# ET03L

Stocked Item# PAKE902, reference vendor item# ET04XL LOW

For any other items, please enquire.



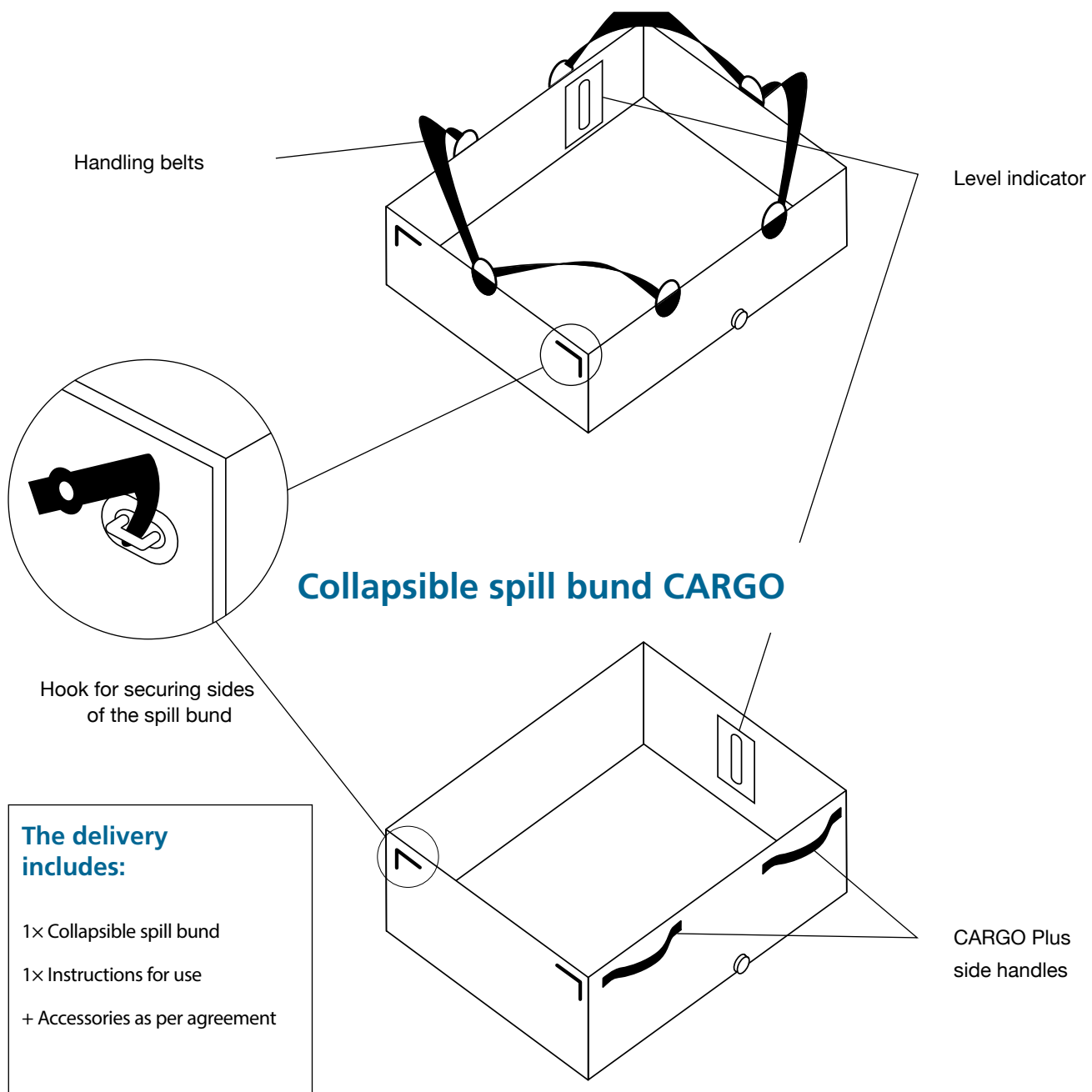
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This document describes the operation and characteristics of the ECCOTARP and CARGO collapsible spill bunds. It contains important information about how to use the bunds properly and how to increase their reliability and life. This document must always be available in the place where the bunds are used. Keep it together with the bunds at all times. The operator is responsible for using the bunds safely and in compliance with the instructions in this manual, which applies to any third persons as well. If you have any doubts about the correct use of the bunds, please contact the manufacturer or an authorized dealer.

The ECCOTARP and CARGO collapsible spill bunds („bunds“) are versatile protective equipment made of chemically resistant material (PVC reinforced fabric). They are **portable, lightweight and easily shapeable**. That is why they are effective especially in fast deployment during accidents. Their advantage is their adaptability to various obstacles and uneven surfaces. Due to their resistance to chemicals and petroleum products they can be used in a wide range of applications, especially in emergency services, petrochemical industry, logistic and industrial warehouses, lorry transport and shipping, during elimination of machinery defects on shop floors, at the airports and in the ports, in agriculture and forestry, i.e. everywhere where hazardous substances might leak.

Collapsible spill bund ECCOTARP



Specification of types of collapsible spill bunds

Collapsible spill bunds ECCOTARP

ECCOTARP collapsible spill bunds have specially welded corners, which allow them to be very quickly put into the ready-for-use position. In the upper part of the sides there are two riveted stainless-steel rings into which TPU handling belts with safety fastening hooks can be snapped. These belts can be used to move the bund easily. The bunds have rigid reinforcements in the side walls.

The ECCOTARP collapsible spill bunds are produced in different types and sizes so that they can be used in the widest possible range of applications – from catching minor leaks to efficient decontamination of both persons and objects.

The **XL LOW** is suitable for improvised decontamination of persons because it is lower than the XL HIGH.

The **EASY PACK** has more segmented reinforcement parts in its sides, which means it can be more easily shaped around an obstacle and folded into a smaller pack.

The **SHALLOW**'s advantage is that it can be used in badly accessible low or narrow areas. It can also be used for catching drops during the tapping and pouring of liquids.

Collapsible spill bunds CARGO

Collapsible spill bunds CARGO do not have welded corners, so they can be conveniently arranged around a pallet and then lifted by a fork lift or pallet truck ("sandwich": pallet, bund, pallet inside). The bunds have light-weight reinforcements in the side walls.

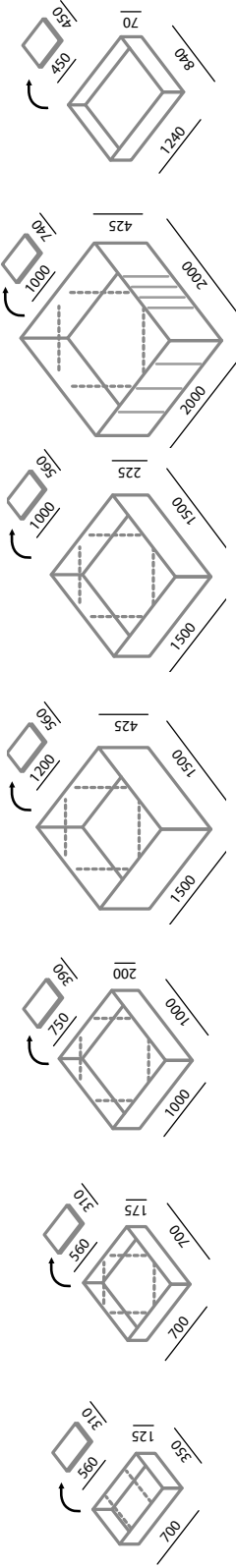
CARGO EUR bunds have perfect dimensions for being arranged around EUR-pallet. Their volume is 210 litres and they can be delivered without side handles (CARGO EUR) or with side handles (CARGO EUR Plus).

CARGO DP bunds have a square shape. Their volume is 300 litres and they can be delivered without side handles (CARGO DP) or with side handles (CARGO DP Plus).

Technical details

Collapsible spill bunds

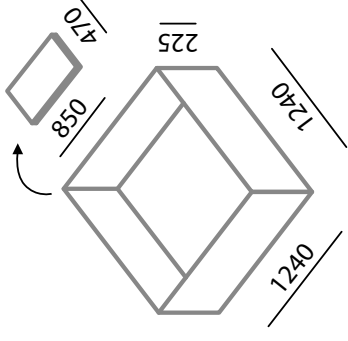
ECCOTARP



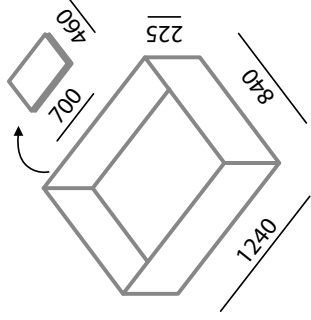
| Type | ET 01 S | ET 02 M | ET 03 L | ET 04 XL HIGH | ET 041 XL LOW | ET 051 XXL EASY PACK | ET 06 SHALLOW |
|---|-----------------|-----------------|-------------------|-------------------|-------------------|----------------------|-----------------|
| Dimensions (mm) | 350 × 700 × 125 | 700 × 700 × 175 | 1000 × 1000 × 200 | 1500 × 1500 × 425 | 1500 × 1500 × 225 | 2000 × 2000 × 425 | 1240 × 840 × 70 |
| Capacity (l) | 25 | 75 | 175 | 900 | 450 | 1600 | 50 |
| Dimensions/unfolded (mm) | 950 × 350 | 1050 × 700 | 1400 × 1000 | 2350 × 1500 | 1950 × 1500 | 2850 × 2000 | 1380 × 840 |
| Shipment box dimensions (mm) | 560 × 310 × 130 | 560 × 310 × 130 | 750 × 390 × 130 | 1200 × 560 × 100 | 1000 × 560 × 100 | 1000 × 740 × 120 | 450 × 450 × 80 |
| Weight (kg) | 2,0 | 3,3 | 5,6 | 17,8 | 9,8 | 23,2 | 2,9 |
| Standard accessories | | | | | | | |
| Bag (mm) | 260 × 520 | 345 × 580 | 500 × 810 | 600 × 1240 | 600 × 1050 | 800 × 1050 | 350 × 450 |
| Optional accessories at extra cost | | | | | | | |
| Pad (mm) | 1000 × 500 | 1250 × 1250 | 1250 × 1250 | 2200 × 2200 | 2200 × 2200 | 2200 × 2200 | 1250 × 1250 |
| Protective insert ET 11-16 | yes | yes | yes | yes | yes | yes | yes |
| Drain hole D25/other | | yes | yes | yes | yes | yes | yes |
| Ball valve D25/other | | yes | yes | yes | yes | yes | yes |
| 5m hose with a coupling D25 | | yes | yes | yes | yes | yes | yes |

Technical details

Collapsible spill bunds CARGO



ET 062 CARGO DP



ET 061 CARGO EUR

| Type | ET 061 CARGO EUR | ET 062 CARGO DP |
|------------------------------------|------------------|-------------------|
| Dimensions (basin) (mm) | 1240 × 840 × 225 | 1240 × 1240 × 225 |
| Capacity (l) | 210 | 300 |
| Dimensions (unfolded) (mm) | 1700 × 1300 | 1700 × 1700 |
| Shipment box dimensions | 700 × 460 × 80 | 850 × 470 × 80 |
| Weight (kg) | 4,5 | 7 |
| Standard accessories | | |
| Bag ET 07 (mm) | 770 × 550 | 890 × 550 |
| Optional accessories at extra cost | | |
| Protective pad | yes | yes |
| Drain hole D25/other | yes | yes |
| Ball valve D25/other | yes | yes |
| 5m hose with a coupling D25 | yes | yes |

General information

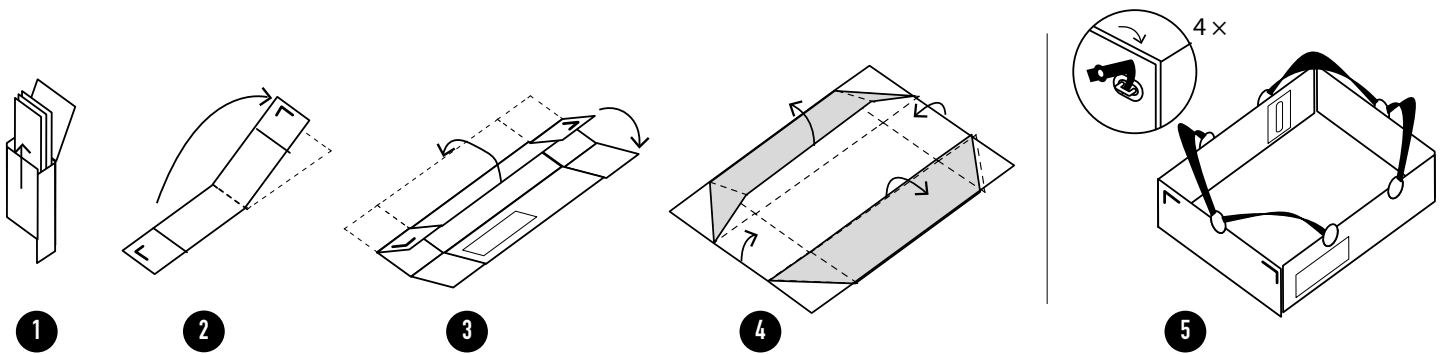
When using the bunds, observe these instructions as well as all the safety notices herein.

1. The bunds are designed as fast solution for emergency situations. They are intended for catching hazardous substances leaking into the environment.
2. They are produced in different dimensions and versions.
3. Their structure can be shaped and adapted to uneven surface and other obstacles.
4. The bunds are self-supporting.
5. They are made of a chemically resistant material – PVC with a protective proofing layer (PES/PVC 680 g/m²) – see Chemical resistance certificate, p. 9.
6. The bunds are not intended for long-term storage of aggressive substances.
7. The range of temperatures for the use of the bunds is from -30 °C to +70 °C.
8. Their maximum carrying capacity is 200 kg.
9. They can be used with or without handling belts.
10. As a standard, the bunds are delivered in transport bags.

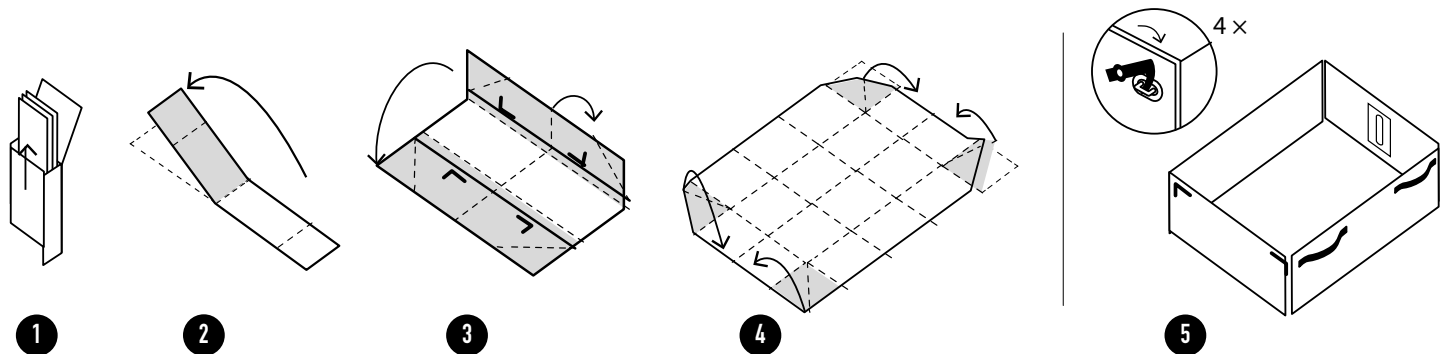
Instructions for putting the bund into the ready-to-use position

Take the bund out of the transport bag. Unfold it so that it is flat. Lift the sides and secure the corners with the yellow hooks to simply make a bund.

Illustrated instructions for unfolding the Collapsible spill bund ECCOTARP

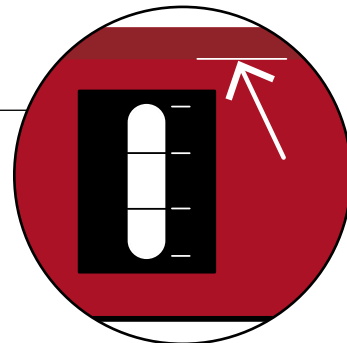


Illustrated instructions for unfolding the Collapsible spill bund CARGO



Handling instructions and safety warnings

1. Put the bund onto a flat surface, if possible.
2. Make sure there are no sharp objects under the bund, such as pieces of broken glass, nails, sharp stones, etc., which might mechanically damage its bottom.
3. Do not put the product near fire or any other sources of heat.
4. The range of temperatures for the use of the bunds is from -30 °C to +70 °C.
5. The bunds are resistant to a large number of different liquids and loose materials (see the Chemical resistance certificate, p. 9). For unknown substances we recommend using the protective insert, which enhances the bund's resistance. The protective insert is an optional accessory.
6. The bunds are not intended for long-term storage of aggressive substances.
7. Fill the bund up only to the upper weld joint of the reinforcement. —————
8. Do not move or pull an empty or a filled bund on the ground – the manufacturer's warranty does not cover mechanical damage.
9. Use the handling belts (which are also suitable for being hung on the fork of a fork lift truck) to move a filled bund.
10. Make sure not to exceed the maximum carrying capacity of 200 kg.
11. After each use it is necessary to wash the bund thoroughly, clean it with suitable detergents and let it dry completely.
12. Observe the safety measures for working with hazardous liquids and with substances harmful to the environment.
13. Make sure you observe any necessary precautions regarding personal safety, such as the use of protective equipment.



Maintenance and storage

After the draining and prescribed environment-friendly disposal of the collected substance, the product must be washed with proper neutralization detergent (in the case of aggressive substances) and lukewarm water or another suitable detergent. We recommend storing the bunds folded in the carrying bag so that they are not damaged while not in use. The bund must be dried thoroughly before it is put into the bag. For long-term storage, place the bund in a dry place out of the reach of UV radiation.

Disposal

The bund and/or the used insert must be disposed of in compliance with applicable legal regulations and with the user's internal directives.

Chemical resistance certificate

Applicable to all types of Collapsible Spill Bunds, Tanks, Funnels, Drip trays and Protective Liners.

Resistance levels:

- A) resistant
- B) resistant for at least 3 hours
- C) non-resistant

| Name of substance | Chemical formula | Resistance level at the temperature of 20 °C | Resistance level at the temperature of 60 °C |
|------------------------------|--|--|--|
| LIQUID SUBSTANCES | | | |
| Acetone | CH ₃ COCH ₃ | C | C |
| Acetonitrile | CH ₃ CN | A | A |
| Ammonia | NH ₃ | A | A |
| Benzene | C ₆ H ₆ | B | B |
| Tar | mixture | C | C |
| Dimethyl-formamide | C ₃ H ₇ NO | A | A |
| Ethanol | C ₂ H ₅ OH | B | B |
| Ethylene glycol | C ₂ H ₆ O ₂ | B | B |
| Ethyl acetate | C ₄ H ₈ O ₂ | C | C |
| Ethylbenzene | C ₈ H ₁₀ | A | A |
| Formaldehyde | CH ₂ O | B | B |
| Chlorine | Cl | C | C |
| Chloroform | CHCl ₃ | C | C |
| Transformer oil | | A | A |
| Gear oil | | B | B |
| SAE 40 oil | | A | A |
| Lubricating oil | | A | A |
| Silicone oil | | A | A |
| Turpentine distillates | | B | B |
| Hydrochloric acid | HCl | B | B |
| Nitric acid | HNO ₃ | B | B |
| Phosphoric acid | H ₃ PO ₄ | A | B |
| Formic acid | HCOOH | B | B |
| Acetic acid | CH ₃ COOH | A | B |
| Sulphuric acid | H ₂ SO ₄ | A | B |
| Sulphurous acid | H ₂ SO ₃ | A | B |
| Isopropyl alcohol | C ₃ H ₈ O | B | B |
| Methanol | CH ₃ OH | B | B |
| Methylene chloride | CH ₂ Cl ₂ | C | C |
| Sodium chloride solution 20% | NaCl | A | A |
| Mercury | Hg | A | A |

| Name of substance | Chemical formula | Resistance level at the temperature of 20 °C | Resistance level at the temperature of 60 °C |
|--------------------------------|--|--|--|
| Hydrogen sulphide | H ₂ S | A | B |
| Styrene | C ₈ H ₈ | A | A |
| Pentane | C ₅ H ₁₂ | A | A |
| Toluene | C ₆ H ₅ CH ₃ | C | C |
| Salt water | | A | A |
| Water | H ₂ O | A | A |
| Hydrogen peroxide | H ₂ O ₂ | A | A |
| Kerosene | C ₉ -C ₁₆ | B | B |
| SOLID SUBSTANCES | | | |
| Ammonium acetate | CH ₃ COONH ₄ | A | A |
| Borax | Na ₂ [B ₄ O ₅ (OH) ₄]·8H ₂ O | A | A |
| Sugar | mixture | A | A |
| Potassium cyanide | KCN | A | A |
| Ammonium nitrate | NH ₄ NO ₃ | A | A |
| Calcium nitrate | Ca(NO ₃) ₂ | A | A |
| Phenol | C ₆ H ₅ OH | B | B |
| Ammonium phosphate | (NH ₄) ₃ PO ₄ | A | A |
| Potassium nitrate | KNO ₃ | A | A |
| Potassium | KOH | A | A |
| Sodium hydroxide | NaOH | A | A |
| Ammonium chloride | NH ₄ Cl | A | A |
| OPERATING FLUIDS | | | |
| Petrol | | B | B |
| Diesel fuel | | B | B |
| Motor oil | | B | B |
| Methyl tert-butyl ether (MTBE) | C ₅ H ₁₂ O | B | B |
| Hydraulic oils | | B | B |

Notice:

Eccotarp collapsible products are compatible to varying degrees with the substances listed above.

However, given the almost unlimited number of potential combinations of chemicals plus the influence of factors such as concentration and temperature, this list does not claim to be definitive and is only intended for informative purposes in predicting the behaviour of the chemicals concerned.

Compatibility with the listed substances cannot be entirely guaranteed. Neither the manufacturer nor the distributor provides any warranty, nor do they accept any responsibility for resultant damage.

For a reliable estimate of the level of resistance to a specific substance, we recommend you to test small samples using miniature laboratory funnels which can be provided upon request by the manufacturer. Given that it is not always possible to identify and assess the nature of corrosive substances, the manufacturer recommends using the Eccotarp protective liner.



Eccotarp collapsible products are not intended for long-term storage of retrieved spilt liquids. They were developed first and foremost for rapid use in emergencies, for capturing hazardous substances during the time immediately before its correct disposal.