PIG Anti-Static Collapsible Spill Bund Instructions for use

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Technical details on p3:

Stocked Item# PAKE910, reference vendor item# ET02A

Stocked Item# PAKE911, reference vendor item# ET03A

Stocked Item# PAKE912, reference vendor item# ET041A LOW

For any other items, please enquire.

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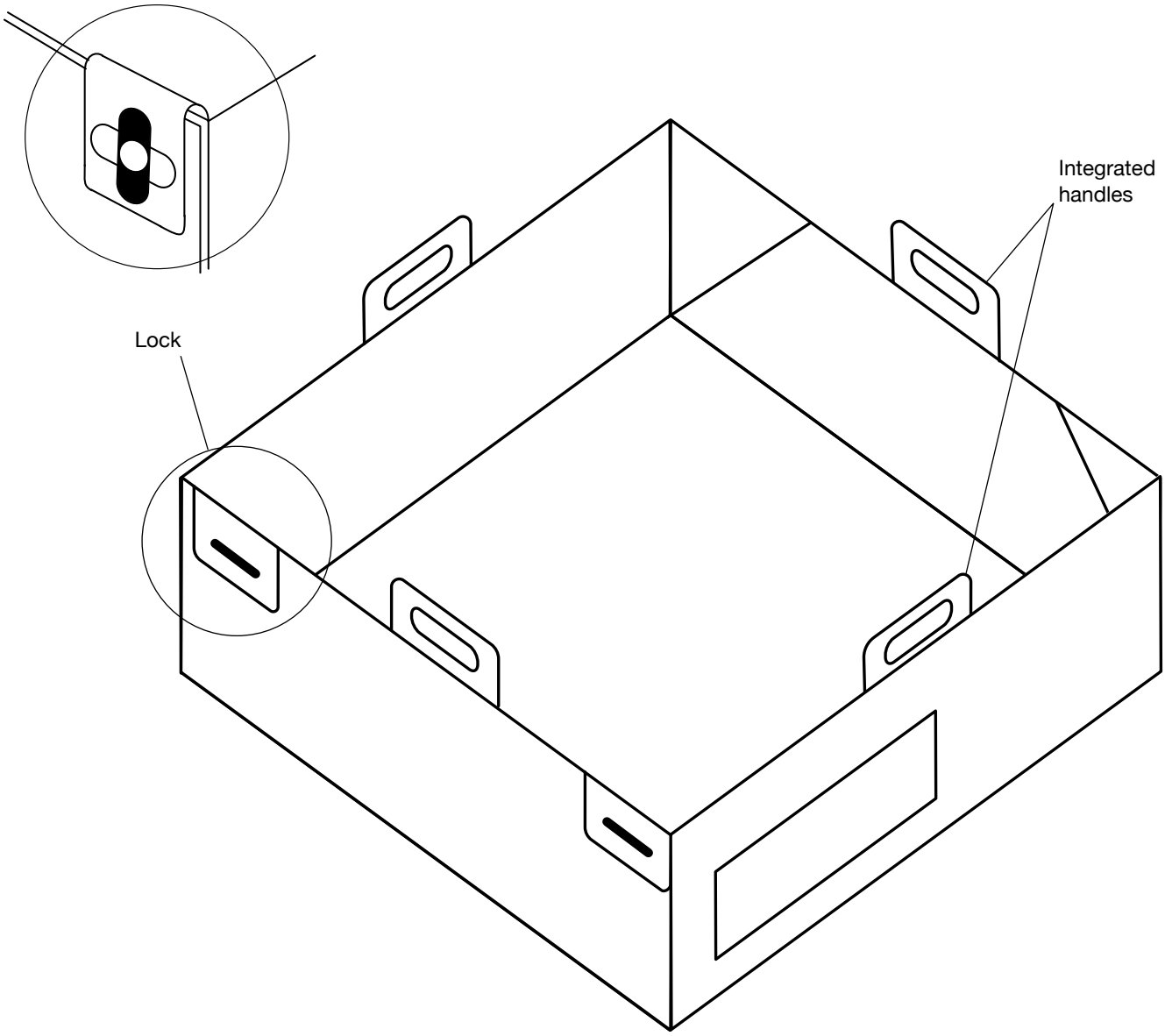
This document describes the operation and characteristics of the Anti-Static Collapsible Spill Bund. It contains important information about how to use the bund properly and how to increase its reliability and life. This document must always be available in the place where the bund is used. Keep it together with the bund at all times. The operator is responsible for using the bund 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 bund, please contact the manufacturer or an authorized dealer.

Anti-Static Collapsible Spill Bund (hereinafter „bunds“) are designed for the capture, transfer or short-term storage of hazardous substances and common technical, petroleum and chemical products. They are made of a special antistatic foil, which guarantees their prescribed conductivity for use in environments with an increased risk of explosion. They are portable, light, compact and easy to shape.

Anti-Static Collapsible Spill Bund



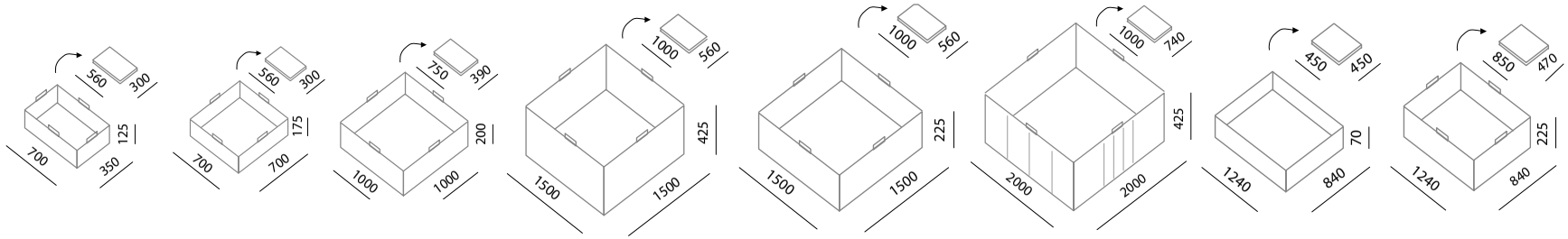
The delivery includes:

1× Anti-Static Collapsible Spill Bund

1× Instructions for use

Technical details

Anti-Static Collapsible Spill Bund



Type	ET 01 A	ET 02 A	ET 03 A	ET 04 A HIGH	ET 041 A LOW	ET 051 A EASY PACK	ET 06 A SHALLOW	ET 061 A CARGO EUR
Tank dimensions (mm)	350 × 700 × 125	700 × 700 × 175	1000 × 1000 × 200	1500 × 1500 × 425	1500 × 1500 × 225	2000 × 2000 × 425	1240 × 840 × 70	1240 × 840 × 225
Volume (l)	25	75	175	900	450	1600	50	210
Tarp dimensions (mm)	950 × 350	1050 × 700	1400 × 1000	2350 × 1500	1950 × 1500	2850 × 2000	1380 × 840	2850 × 840
Packaging dimens. (mm)	560 × 300 × 120	560 × 300 × 120	750 × 390 × 130	1000 × 560 × 100	1000 × 560 × 100	1000 × 740 × 120	450 × 450 × 80	850 × 470 × 80
Weight (kg)	2,0	2,1	4,2	11,6	6,3	15,4	2,9	4,4
Optional accessories at extra cost								
Pad (mm)	1000 × 500	1300 × 1300	1300 × 1300	2200 × 2200	2200 × 2200	2200 × 2200	1300 × 1300	1740 × 1340

General information

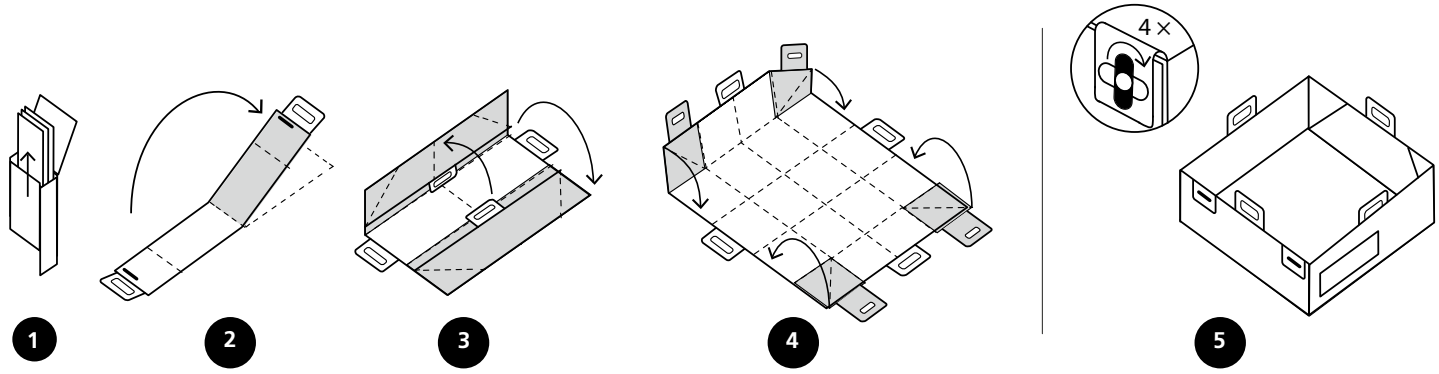
When using the bunds, observe these instructions as well as all the safety notices herein.

1. The bund is designed as a quick solution for emergency situations. It is used for the capture of hazardous substances escaping 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 special PES/PVC material with high conductivity (electrical resistance is smaller than 10^9 Ω) – see Chemical resistance certificate, p. 6.
6. Used components are made of non-sparking materials.
7. Tank and components are antistatic and designed primarily for environments with in creased risk of explosion.
8. The bunds are not intended for long-term storage of aggressive substances.
9. The range of temperatures for the use of the bunds is from -10 °C to +70 °C.
10. Their maximum carrying capacity is 200 kg.

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

Unfold the bund so that it is flat. Lift the sides and secure the locks in the corners to simply make a bund.

Illustrated instructions for unfolding the Anti-Static Collapsible Spill Bund



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. The range of temperatures for the use of the bunds is from -10 °C to +70 °C.
4. The bunds are resistant to a large number of different liquids and loose materials (see the Chemical resistance certificate, p. 6).
5. The bunds are not intended for long-term storage of aggressive substances.
6. Do not move or pull an empty or a filled bund on the ground – the manufacturer's warranty does not cover mechanical damage.
7. Use the handling belts to move a filled bund – these handles are not placed symmetrically. This is not a defect, the reasons are the ability to fold and subsequent handling.
8. Make sure not to exceed the maximum carrying capacity of 200 kg.
9. After each use it is necessary to wash the bund thoroughly, clean it with suitable detergents and let it dry completely.
10. Observe the safety measures for working with hazardous liquids and with substances harmful to the environment.
11. 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 product must be disposed of in compliance with applicable legal regulations and with the user's internal directives.

Chemical resistance certificate

Applicable to antistatic bunds.

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_3COCH_3	C	C
Acetonitrile	CH_3CN	A	A
Ammonia	NH_3	A	A
Benzene	C_6H_6	B	B
Tar	mixture	C	C
Dimethyl- formamide	C_3H_7NO	A	A
Ethanol	C_2H_5OH	B	B
Ethylene glycol	$C_2H_6O_2$	B	B
Ethyl acetate	$C_4H_8O_2$	C	C
Ethylbenzene	C_8H_{10}	A	A
Formaldehyde	CH_2O	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_3PO_4	A	B
Formic acid	HCOOH	B	B
Acetic acid	CH_3COOH	A	B
Sulphuric acid	H_2SO_4	A	B
Sulphurous acid	H_2SO_3	A	B
Isopropyl alcohol	C_3H_8O	B	B
Methanol	CH_3OH	B	B
Methylene chloride	CH_2Cl_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_2S	A	B
Styrene	C_8H_8	A	A
Pentane	C_5H_{12}	A	A
Toluene	$C_6H_5CH_3$	C	C
Salt water		A	A
Water	H_2O	A	A
Hydrogen peroxide	H_2O_2	A	A
Kerosene	C_9–C_{16}	B	B
SOLID SUBSTANCES			
Ammonium acetate	CH_3COONH_4	A	A
Borax	$Na_2[B_4O_5(OH)_4]\cdot 8H_2O$	A	A
Sugar	mixture	A	A
Potassium cyanide	KCN	A	A
Ammonium nitrate	NH_4NO_3	A	A
Calcium nitrate	$Ca(NO_3)_2$	A	A
Phenol	C_6H_5OH	B	B
Ammonium phosphate	$(NH_4)_3PO_4$	A	A
Potassium nitrate	KNO_3	A	A
Potassium	KOH	A	A
Sodium hydroxide	NaOH	A	A
Ammonium chloride	NH_4Cl	A	A
OPERATING FLUIDS			
Petrol		B	B
Diesel fuel		B	B
Motor oil		B	B
Methyl tert-butyl ether (MTBE)	$C_5H_{12}O$	B	B
Hydraulic oils		B	B

Notice:

Taking into account numerous combinations of chemical substances, as well as other influencing factors, such as concentration or temperature, this chart serves only for indicative assessment of possible behaviour of some substances.

Product durability with respect to the listed substances cannot be fully guaranteed. Neither the producer nor the distributor bears any liability or warranty for any potential 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.

The ANTISTATIC product is not designed for a long-term keeping of retained substances or for storing chemical substances. The product has been designed as a fast solution to emergency situations and accidents for the time period which is necessary for professional disposal.