



Collapsible Spill Bund ANTISTATIC



INSTRUCTIONS FOR USE

EN



Development and Production

metal arsenal®

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trade mark

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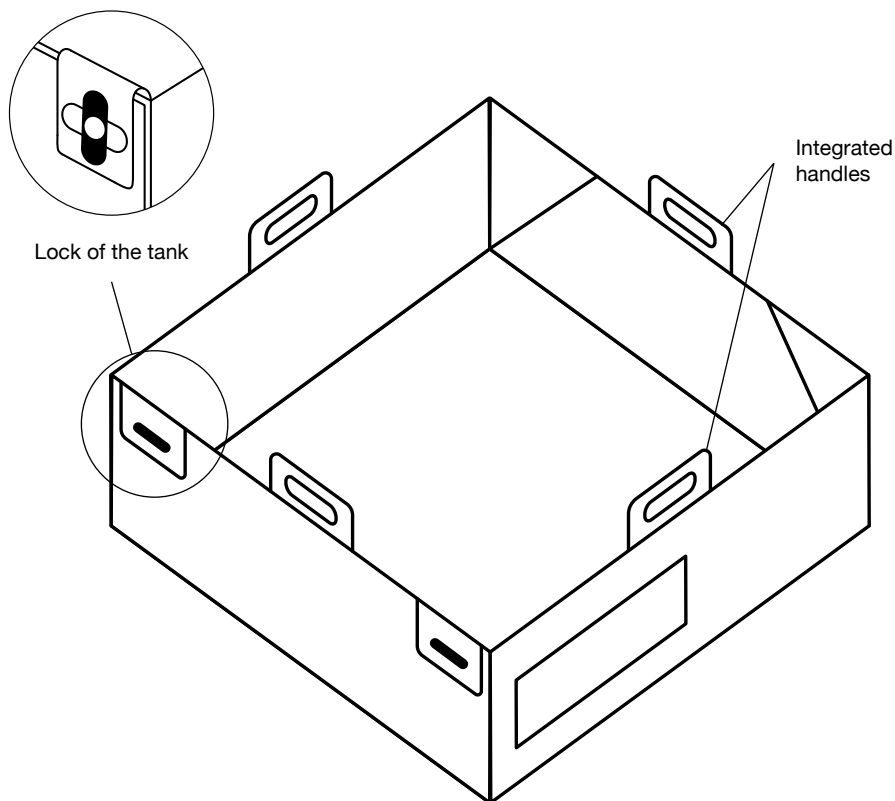
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This document describes the operation and characteristics of the Collapsible Spill Bunds ANTISTATIC. It contains important information about how to use the bund properly and how to increase its reliability and life. This document must always be available 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.

Collapsible Spill Bunds ANTISTATIC (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.

Collapsible Spill Bund ANTISTATIC

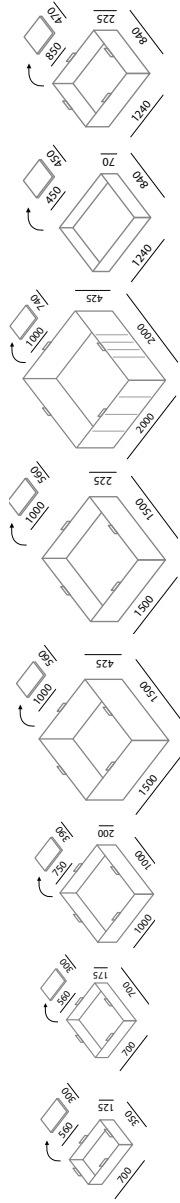


The delivery includes:

- 1× Collapsible Spill Bund ANTISTATIC
- 1× Instructions for use, incl. warranty certificate
- + Optional accessories as per agreement

Technical details

Collapsible spill bund ANTISTATIC



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 dims. (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.

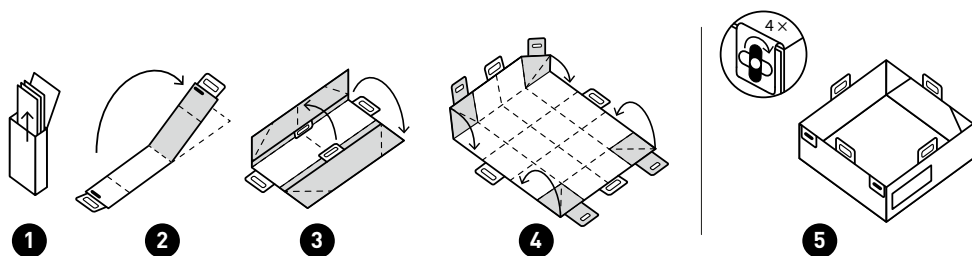
1. The bund is designed as a quick solution for emergency situations. It is used for the capture of hazardous substances escaping into the environment.
2. They are produced in different dimensions and versions.
3. Their structure can be shaped and adapted to uneven surface and other obstacles.
4. The bunds are self-supporting.
5. They are made of a special PES/PVC material with high conductivity (electrical resistance is smaller than $10^9 \Omega$) – see Chemical resistance certificate, p. 7.
6. Used components are made of non-sparking materials.
7. Tank and components are antistatic and designed primarily for environments with increased 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 $+70^\circ\text{C}$.
10. Their maximum carrying capacity is 200 kg.
11. In order to increase the resistance of the bunds we recommend using the following optional accessory: protective pad, see p. 5.

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 Collapsible spill bund ANTISTATIC



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. 7).
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.

Recommended optional accessories

The following optional accessories for Collapsible spill bunds ANTISTATIC are provided for a surcharge.

Specification of bund and a pad	ET 09 A Antistatic pad for bunds M, L	ET 0961 A Antistatic pad for bunds CARGO, SHALLOW	ET 095 A Antistatic pad for bund S	ET 10 A Antistatic pad for bunds HIGH, LOW, XXL EASY PACK
Dimensions of protective pad (mm)	1300 × 1300	1740 × 1340	1000 × 500	2200 × 2200

The protective pad significantly extends the bund's resistance and life.

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.

Important contact information

Manufacturer and qualified service:

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Repair

Any repair work on the collapsible bunds must always be done by the manufacturer's qualified personnel. In the event of unprofessional repair or design change, the product's proper operation cannot be guaranteed. If you want to request repair, order accessories or lodge a complaint, please, contact your qualified supplier.

Warranty conditions

The warranty period is indicated in the warranty certificate on the last page of these Instructions for use.

The warranty period is 24 months and begins on the day indicated in the warranty certificate. The warranty does not apply to the normal wear and tear or to damage caused by improper use or by the instructions in this manual not being observed.

Warning – the warranty does not cover damage from long-term exposure to chemicals. This can also occur after the product is improperly cleaned after intervention. Even a small amount of aggressive chemicals will cause degradation of the material from which it is made during long-term exposure. This can be manifested by microscopic cracks on the surface, or by a change in the properties of the material, which can lead to easy damage and tearing.

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 tanks.

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 ₂	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:

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.

Warranty Certificate



This product is guaranteed for 24 months.

This warranty covers:

for defects caused by a manufacturing defect of the material used, in particular a leak at the welds, a defect in the fittings and any other damage, not caused by demonstrable mishandling by the user or any modification of the product.

This warranty does not cover:

damages caused by improper handling and use of the product and failure to follow the „user manual“. For example, punctures or other damage caused by placing the product in an inappropriate area with sharp objects, higher load handling weight than stated in the “user manual”, use or placing the product near open flames, and other inappropriate uses.

Warning – the warranty does not cover damage from long-term exposure to chemicals. This can also occur after the product is improperly cleaned after intervention. Even a small amount of aggressive chemicals will cause degradation of the material from which it is made during long-term exposure. This can be manifested by microscopic cracks on the surface, or by a change in the properties of the material, which can lead to easy damage and tearing.

The manufacturer is not liable for any direct or indirect damage caused by other than the recommended use of the product.

Complaints must be applied within 24 months of purchase from your supplier. When applying please provide your complaint with full details – product serial number, proof of purchase, appropriate photographic documentation and a detailed description of the circumstances in which a fault has occurred.

Product name:

Production code:

Date of sale:

Failure description:

Stamp and signature:

In case of problems, please contact: