

# Decontamination spill bund for rescue and emergency units



**INSTRUCTIONS FOR USE**

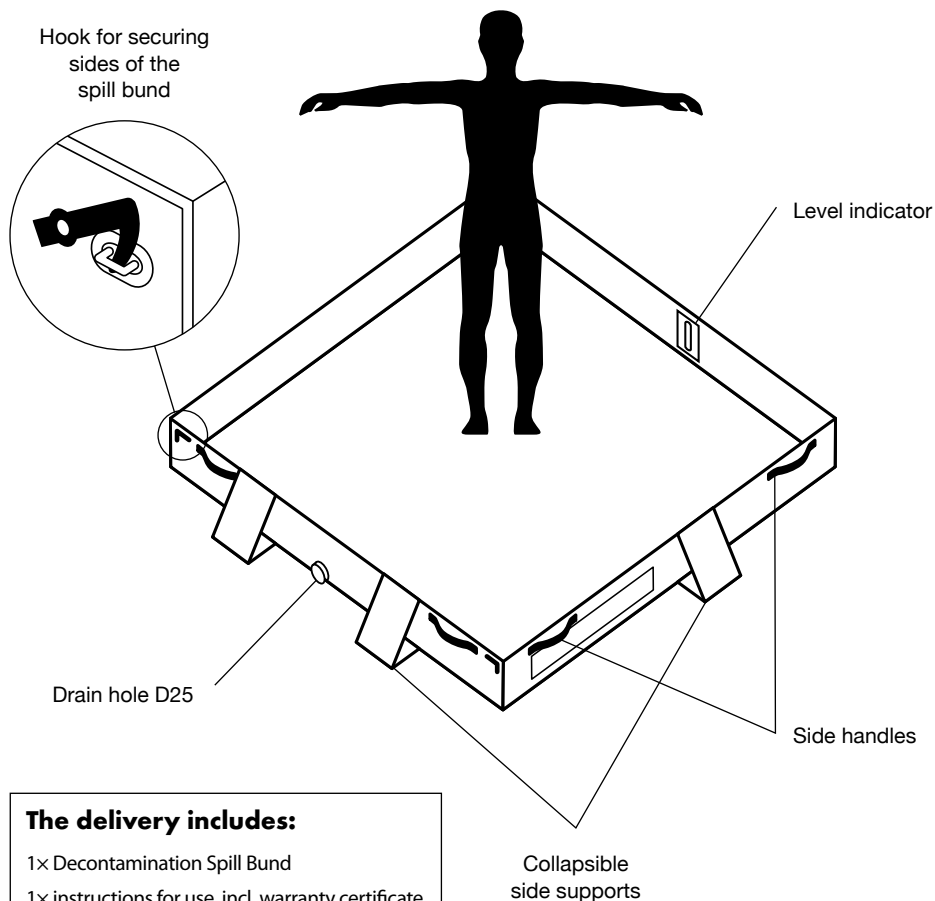
**EN**



This document describes the operation and characteristics of the Decontamination spill bund for rescue and emergency units (hereinafter „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.

Decontamination spill bund is specially designed to meet the requirements of emergency and rescue units for decontamination of individuals or equipment, as well as for catchment of hazardous materials in case of spills or other environmental disasters. The flexible structure of the bund enables use in any terrain including hard-to-reach places. The dimensions of the berm are optimised for decontamination of a standard individual with the outstretched arms.

## Decontamination spill bund for rescue and emergency units



# Technical details

Name	Dimensions (mm)	Capacity (l)	Pack size (mm)	Weight (kg)
<b>Decontamination Spill Bund ET IZS</b>	2000 × 2000 × 200	650	900 × 550 × 200	22,50
<b>Accessories</b>				
<b>Bag (standard part of the product)</b>	915 × 565	–	–	0,30
<b>Protective pad</b>	2200 × 2200	–	600 × 420 × 50	3,25
<b>Protective insert</b>	1990 × 1990 × 200	650	560 × 300 × 120	4,60

## General information



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

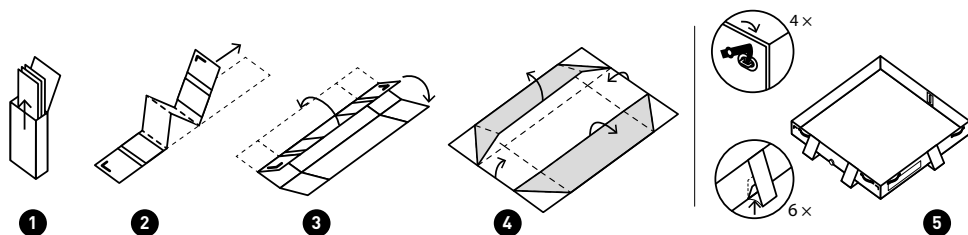
1. The bund is designed as a quick solution for emergency situations. It is used for effective decontamination of people or objects and for the capture of hazardous substances escaping into the environment.
2. The bund is manufactured in the size of 2 × 2 × 0,2 m, which is the optimal size for decontamination of a person with outstretched arms.
3. Their structure can be shaped and adapted to uneven surface and other obstacles.
4. The bund is self-supporting. The collapsible side supports ensure greater stability of the bund.
5. They are made of a chemically resistant material – PVC with a protective proofing layer (PES/PVC 680 g/m<sup>2</sup>) – see Chemical resistance certificate, p. 7.
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. Maximum carrying capacity is 200 kg.
9. The side handles are used for manipulation with the bund.
10. As a standard, the bund is delivered in transport bag.
11. In order to increase the life and resistance of the bunds we recommend using the following optional accessories: protective pads and protective inserts, see p. 5.
12. The bund can be fitted with another drain hole and a ball valve on request.

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



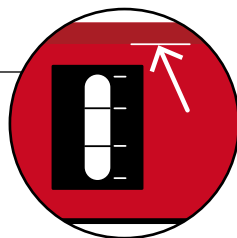
Take the bund out of the transport bag. Place it on a cleared flat surface, preferably onto the protective pad, and unfold the bund. By lifting the sides, securing the corners with the yellow hooks and securing the collapsible side supports, the bund is simply created.

## Illustrated instructions for assembly of Decontamination 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. 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  $-30\text{ }^{\circ}\text{C}$  to  $+70\text{ }^{\circ}\text{C}$ .
5. The bunds are resistant to a large number of different liquids and loose materials (see the Chemical resistance certificate, p. 7). 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 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.



## Recommended accessories

The following optional accessories for Decontamination Spill Bund are provided for a surcharge.

Name	Dimensions (mm)	Capacity (l)	Pack size (mm)	Weight (kg)
<b>Protective pad</b>	2200 × 2200	–	600 × 420 × 50	3,25
<b>Protective insert</b>	1990 × 1990 × 200	650	560 × 300 × 120	4,60

Secure the protective insert in the ready bund using the metal clips. Using the bund with the protective insert increases chemical resistance, makes disposal of collected substance easier and protects the bund, which, as a result, does not need to be cleaned. The collected liquid must be disposed of in compliance with applicable regulations. The protective insert can be cleaned in the same way as the bund and then reused.

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

## Maintenance and storage

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

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## Important contact information

Manufacturer and qualified service:

Metal Arsenal s.r.o.

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Czech Republic

info@eccotarp.com

T: +420 325 514 723

T: +420 737 802 153

T: +420 777 472 640

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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 our qualified service department.

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## 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 bund 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.

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## Disposal

The pool 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, Funnels 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
<b>LIQUID SUBSTANCES</b>			
Acetone	CH <sub>3</sub> COCH <sub>3</sub>	C	C
Acetonitrile	CH <sub>3</sub> CN	A	A
Ammonia	NH <sub>3</sub>	A	A
Benzene	C <sub>6</sub> H <sub>6</sub>	B	B
Tar	mixture	C	C
Dimethyl-formamide	C <sub>4</sub> H <sub>9</sub> NO	A	A
Ethanol	C <sub>2</sub> H <sub>5</sub> OH	A	A
Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	A	A
Formaldehyde	CH <sub>2</sub> O	B	B
Chlorine	Cl	C	C
Chloroform	CHCl <sub>3</sub>	C	C
Transformer oil		A	A
Hydrochloric acid	HCl	A	A
Nitric acid	HNO <sub>3</sub>	A	B
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	A	B
Formic acid	HCOOH	B	B
Acetic acid	CH <sub>3</sub> COOH	A	B
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	A	B
Sulphurous acid	H <sub>2</sub> SO <sub>3</sub>	A	B
Methanol	CH <sub>3</sub> OH	A	A
Mercury	Hg	A	A
Hydrogen sulphide	H <sub>2</sub> S	A	B
Styrene	C <sub>8</sub> H <sub>8</sub>	A	A
Pentane	C <sub>5</sub> H <sub>12</sub>	A	A
Toluene	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	A	A
Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	A	A

Name of substance	Chemical formula	Resistance level at the temperature of 20 °C	Resistance level at the temperature of 60 °C
<b>SOLID SUBSTANCES</b>			
Ammonium acetate	CH <sub>3</sub> COONH <sub>4</sub>	A	A
Borax	Na <sub>2</sub> [B <sub>3</sub> O <sub>6</sub> (OH) <sub>3</sub> ]-8H <sub>2</sub> O	A	A
Sugar	mixture	A	A
Potassium cyanide	KCN	A	A
Ammonium nitrate	NH <sub>4</sub> NO <sub>3</sub>	A	A
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	A	A
Phenol	C <sub>6</sub> H <sub>5</sub> OH	B	B
Ammonium phosphate	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>	A	A
Potassium nitrate	KNO <sub>3</sub>	A	A
Potassium	KOH	A	A
Sodium hydroxide	NaOH	A	A
Ammonium chloride	NH <sub>4</sub> Cl	A	A
<b>OPERATING FLUIDS</b>			
Petrol		B	B
Diesel fuel		B	B
Motor oil		B	B
Methyl tert-butyl ether (MTBE)	C <sub>8</sub> H <sub>18</sub> O	B	B
Hydraulic oils		B	B

## Notice:

ECCOTARP collapsible spill bunds 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.



The ECCOTARP collapsible spill bunds 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.

# 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 bund 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 misuse, 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, where appropriate photographic documentation and a detailed description of the circumstances in which a fault has occurred.

In case of problems, please contact:

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Products Name: .....

Production Code: .....

Date of sale: .....

Failure description: .....

Stamp and Signature: .....