

Magnetic Drain Cover MDC



INSTRUCTIONS FOR USE

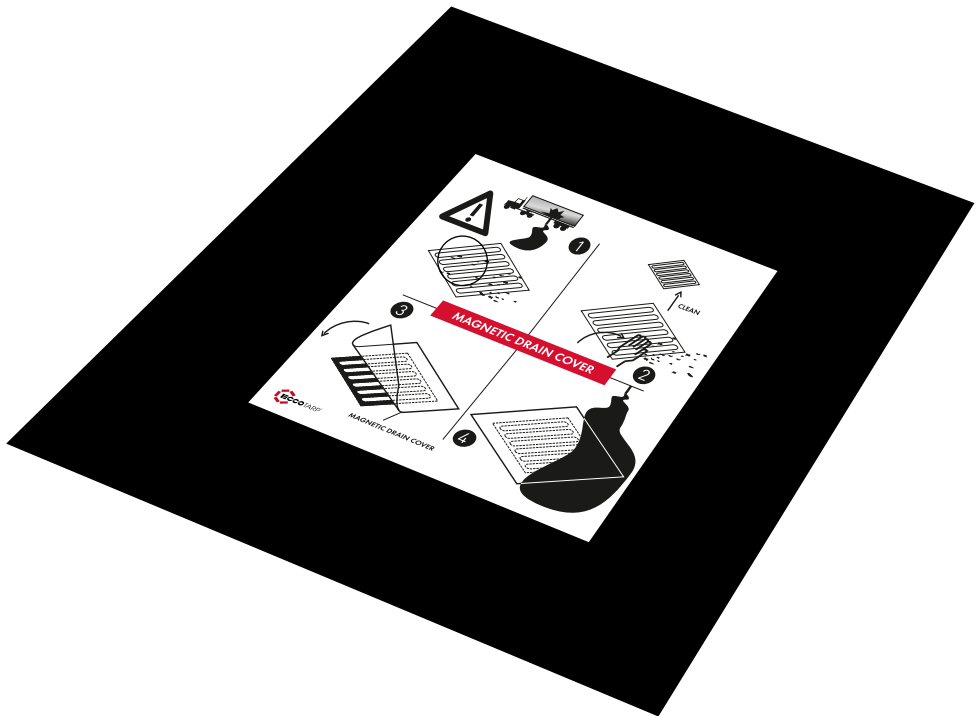
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This document describes the operation and characteristics of Magnetic Drain Covers MDC. It contains important information about how to use the covers properly and how to increase their reliability and life. This document must always be available in the place where the covers are used. Keep it together with the covers at all times. The operator is responsible for using the covers 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 covers, please contact the manufacturer or an authorized dealer.

Magnetic Drain Covers MDC (hereinafter „covers“) are a simple, light, compact and reusable means for quick protection of sewer drains against the entry of hazardous substances. Due to their resistance to chemicals and oil substances, they are widely used especially for the integrated rescue system, in logistics and industrial warehouses, in production halls and everywhere where there may be an undesirable leakage of hazardous substances.

Magnetic Drain Cover MDC



The delivery includes:

- 1× Magnetic Drain Cover MDC
- 1× Instructions for use, incl. warranty certificate
- + Optional accessories as per agreement

Principle of operation of Magnetic Drain Cover MDC

The cover is used by applying it to any steel or cast steel sewer drain free of mechanical impurities. Very good efficiency is on flat and smooth surfaces (industrial halls, roads, etc.). The pressing force also increases by the pressure of the retained liquid itself. The efficiency of MDC increases with a greater depth of the retained liquid, when due to the hydrostatic pressure and the specific properties of the cover material, there is a better sealing of larger surface irregularities. On the contrary, the efficiency decreases in places where the sewer drain is in the unequal plane with the surrounding surface („sunken“ drain, uneven height or mechanical failure of the surface immediately around the drain).

The recommended overlap of the magnetic film at the edges of the drain opening is about 5-10 cm.

Technical details

Type	Dimensions (mm)	Packaging dimensions (mm)	Size of holding rack (mm)	Weight (kg)
MDC 01 Magnetic Drain Cover	510 × 510 × 0,9	630 × 620 × 10		0,8
MDC 02 Magnetic Drain Cover	600 × 600 × 0,9	630 × 620 × 10		1,1
MDC 03 Magnetic Drain Cover with holding rack	600 × 600 × 0,9	630 × 620 × 10	615 × 615 × 0,6	2,6
MDC 04 Magnetic Drain Cover	1000 × 1000 × 0,9	90 × 90 × 1020		3,3

General information



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

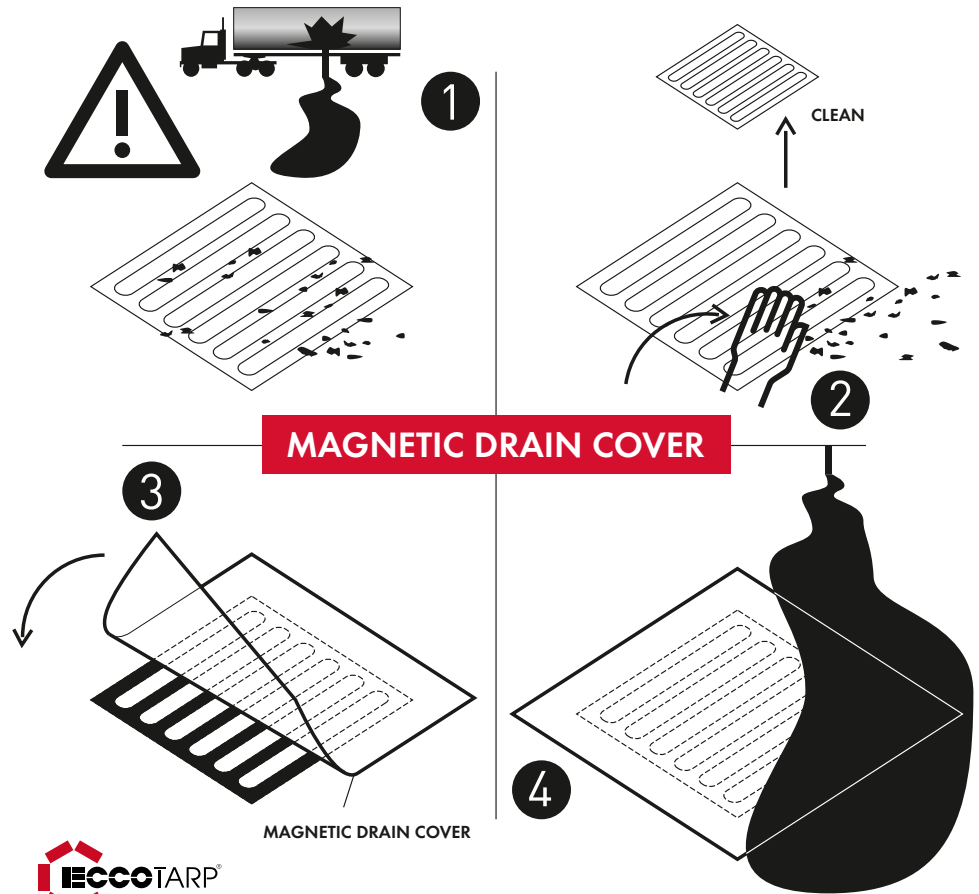
1. The covers are designed as fast solution for emergency situations. They are intended for catching hazardous substances leaking into the environment.
2. The covers are produced in different sizes.
3. The material is isotropic magnetic film with permanent magnetic properties.
4. Thickness of the foil is 0,9 mm.
5. The cover is resistant to the effects of weather conditions and oil-based products, dilute acids and alkalis (see Chemical resistance certificate, p. 7.)
6. The covers are light, compact and reusable.
7. The range of temperatures for the use of the covers is from -20 °C to +80 °C (flexibility is reduced at low temperatures).
8. Ideal storage is recommended at room temperature and using a wall-mounted storage rack – see accessories to MDC, p. 5.
9. Do not store folded.

Instructions for using of Magnetic Drain Cover MDC



Clean the steel or cast steel drain from dirt and place the cover on it. The recommended overlap of the cover over the drain is approx. 5-10 cm.

Illustrated instructions for usage of the cover



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Handling instructions and safety warnings

1. Put the cover on the steel or cast steel drain freed from dirt.
 2. Do not put the product near fire or any other sources of heat.
 3. The range of temperatures for the use of the covers is from -20 °C to +80 °C (flexibility is reduced at low temperatures).
 4. The cover is resistant to the effects of weather conditions and oil-based products, dilute acids and alkalis - see Chemical resistance certificate, p. 7.
 5. Ideal storage is recommended on a wall-mounted storage rack (zinc coated metal sheet with 4 wall plugs).
 6. After each use it is necessary to wash the cover thoroughly, clean it with suitable detergents and let it dry completely.
 7. Observe the safety measures for working with hazardous liquids and with substances harmful to the environment.
 8. Make sure you observe any necessary precautions regarding personal safety, such as the use of protective equipment.
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Recommended optional accessories

To Magnetic Drain Cover MDC we offer a wall-mounted storage rack 615 × 615 × 0,6 mm (zinc coated metal sheet) with 4 wall plugs as a recommended accessory for an extra charge.

Maintenance and storage

After the draining 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 covers on a wall-mounted storage rack so that they are not damaged while not in use. For long-term storage, place the cover in a dry place out of the reach of UV radiation.

Important contact information

Manufacturer and qualified service:

Metal Arsenal s.r.o.

Poděbradova 1920

289 22 Lysá nad Labem

Czech Republic

info@eccotarp.com

T: +420 737 802 153

T: +420 777 472 640

T: +420 603 117 839

Repair

Any repair work 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.

Disposal

The cover must be disposed of in compliance with applicable legal regulations and with the user's internal directives.

Chemical resistance certificate

Applicable to magnetic drain covers MDC.

Resistance level:

- 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
Water, oxidane	H ₂ O	A
Saline solution		A
Ammonia (10 %)	NH ₃	A
Sodium carbonate (2 %)	Na ₂ CO ₃	A
Motor Oil		A
Naphtha		A
Technical alcohol		A
Kerosene	C ₉ -C ₁₆	A
Acetone	CH ₃ COCH ₃	A
Spindle Lubricating Oil		A
Hydrochloric acid (10 %)	HCl	B
Nitric acid (10 %)	HNO ₃	B
Sulphuric acid (3 %)	H ₂ SO ₄	B
Acetic acid (10 %)	CH ₃ COOH	A
Sodium hydroxide (10 %)	NaOH	A
Aromatic Hydrocarbon		C
Ketone		B
Petrol (US: gasoline)		A
Diesel		A
Trichloroethylene	C ₂ HCl ₃	C
Ethyl acetate	C ₄ H ₈ O ₂	B
Neutral Detergent		A
Methanol	CH ₃ OH	A
Ethanol	C ₂ H ₅ OH	A
Hydrogen peroxide (30 %)	H ₂ O ₂	A

Notice:

When the product is used for emergency response, it is often impossible to accurately determine the substances captured. This list is prepared as a guideline for chemical resistance. The MDC is made of strontium ferrite magnetic (cca 90 %) and chlorinated polyethylene (cca 10 %). The MDC is resistant to most common substances like: petrol, diesel, kerosene, mineral oils, motor oils, grease, animal and vegetable fats, cooking oils and hot water. Possible product damage depends on the time of exposure, concentration and temperature of substances.



This list is not exhaustive and is only used for preliminary assessment of suitability. With regard to an unlimited number of combinations of chemicals and conditions the above list is for guidance only. In view of the above information the manufacturer and or distributor carry no responsibility for damage that may occur in connection with use not in accordance with these guidelines.

Warranty Certificate



This product is guaranteed for 24 months.

This warranty covers:

for defects caused by a manufacturing defect in the material used – and any other damage not caused by demonstrable mishandling by the user or any modification of the product.

This warranty does not cover:

for damage caused by improper handling of the product and non-compliance with the „Instructions for Use“ – such as cuts or other mechanical damage to the seal, when placed in an unsuitable place with a sharp surface, abrasion or placement of the product near an open flame and the like.

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:

Stamp and signature:

Date of sale:

In case of problems, please contact:

Failure description:

