

Nitrile Drain Cover NDC



INSTRUCTIONS FOR USE

EN



This document describes the operation and characteristics of Nitrile Drain Covers NDC. 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.

Nitrile Drain Covers NDC (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.

Nitrile Drain Cover NDC



The delivery includes:

1× Nitrile Drain Cover NDC

1× Instructions for use, incl. warranty certificate

Principle of operation of Nitrile Drain Cover NDC

The cover is used by applying it to any 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 NDC 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.

The recommended overlap of the cover at the edges of the drain opening is about 5–10 cm.

Technical details

Type	Dimensions (mm)	Temperature resistance	Weight (kg)
Nitrile drain cover NDC 100	1000 × 1000 × 2	–20 °C up to +70 °C	4
Nitrile drain cover NDC 120	1200 × 1200 × 2	–20 °C up to +70 °C	4,9

General information



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

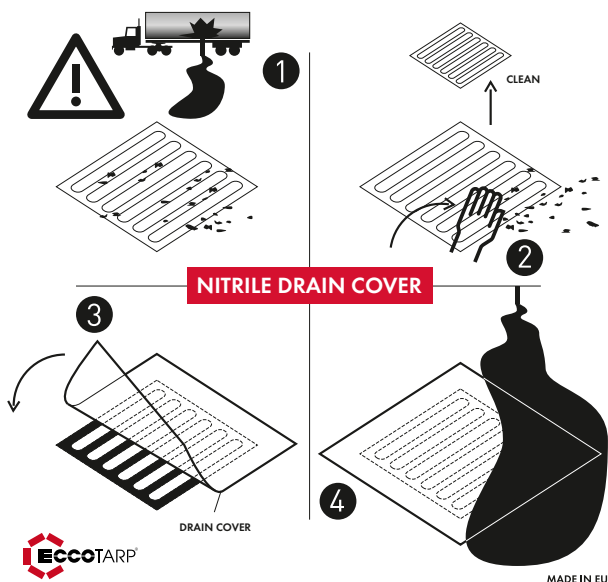
1. The covers are designed as fast solution for emergency situations. They are intended for catching hazardous substances leaking into the environment.
2. The covers are produced in different sizes.
3. The material is highly chemical-resistant nitrile rubber resistant to water and most chemicals.
4. Thickness of the cover is 2 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 +70 °C (flexibility is reduced at low temperatures).
8. Ideal storage is recommended at room temperature
9. Do not store folded.

Instructions for using of Nitrile Drain Cover NDC



Clean the 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



Handling instructions and safety warnings

1. Put the cover on the 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 $+70^{\circ}\text{C}$ (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. The cover is best stored rolled up at room temperature.
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.

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 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
Nitrile Drain Covers
NDC.**

Resistance level:

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

Name of substance	Resistance level at the temperature of 20 °C
Acetaldehyde	C
Acetone	B
Amines	B
Ammonia (anhydrous)	B
Ammonia (aqueous solution)	B
Amyl alcohol (pentanol)	A
Chromic acid anhydride	A
Acetic anhydride	B
Liquid asphalt	C
Paint, lacquer	A
Cottonseed oil	A
Benzene	A
Gasoline	A
Borax	A
Sodium borate	A
Boric oil	A
Bromine (dry)	C
Bromine (wet)	C
Potassium bromide	A
Butadiene	A
Butane	A
Butyl alcohol (butanol)	A
Butylene	A
Distilled water	A
Potassium diphosphate	A
Sodium diphosphate	A
Dichloroethane	B
Ammonium nitrate	A
Copper(II) nitrate	A
Nickel(II) nitrate	A
Sodium nitrate	A
Silver nitrate	A
Nitrogen	A
Ethyl alcohol (ethanol)	A
Ethylene oxide	C
Ethyl chloride	A
Phenol	B
Aluminum fluoride	A
Formaldehyde	A

Name of substance	Resistance level at the temperature of 20 °C
Ammonium phosphate	A
Divalent ammonium phosphate	A
Trivalent ammonium phosphate	A
Sodium phosphate	A
Divalent sodium phosphate	A
Freon 11-12-21-22-TE	B
Glucose	A
Glycerin	A
Ethylene glycol	B
Calcium bisulfate	A
Potassium bisulfite	A
Sodium bisulfite	A
Ammonium bicarbonate	A
Ammonium hydroxide	A
Barium hydroxide	A
Potassium hydroxide	A
Magnesium hydroxide	A
Sodium hydroxide	A
Calcium hydroxide	A
Chlorine (anhydrous)	A
Chlorine (dry)	B
Potassium chlorate	A
Ammonium chloride	A
Barium chloride	A
Potassium chloride	A
Aluminum chloride	A
Magnesium chloride	A
Copper(II) chloride	A
Nickel(II) chloride	A
Sodium chloride	A
Carbon tetrachloride	C
Calcium chloride	A
Zinc chloride	A
Ferric chloride	A
Ferrous chloride	A
Sodium chlorate	B
Sodium hypochlorite	A
Calcium hypochlorite	A

Name of substance	Resistance level at the temperature of 20 °C
Chloroform (dry)	C
Hydrogen chloride	A
Isooctane	A
Isopropyl alcohol	A
Potassium iodide	A
Coconut oil	A
Creosote oil	C
Sodium silicate	A
Potassium cyanide	A
Sodium cyanide	A
Arsenic acid	A
Boric acid	A
Hydrobromic acid	A
Citric acid	A
Nitric acid (0-50%)	B
Nitric acid (50-80%)	C
Concentrated nitric acid	C
Fluorosilicic acid	A
Hydrofluoric acid	B
Phosphoric acid	B
Phthalic acid	B
Chromic acid	A
Malic acid	A
Carbolic acid (phenol)	A
Hydrocyanic acid	A
Maleic acid	A
Butyric acid	A
Lactic acid	A
Formic acid	A
Acetic acid	B
Oleic acid	B
Palmitic acid	B
Picric acid	C
Salicylic acid	A
Sulfuric acid (0-10%)	B
Sulfuric acid (10-90%)	C
Concentrated sulfuric acid	C
Sulfurous acid	B
Stearic acid	A

Name of substance	Resistance level at the temperature of 20 °C	Name of substance	Resistance level at the temperature of 20 °C	Name of substance	Resistance level at the temperature of 20 °C
Oxalic acid	A	Paraffin (kerosene)	A	Styrene	B
Tannic acid	A	Paraformaldehyde	B	Barium sulfide	A
Tartaric acid	A	Pentane	A	Sodium sulfide	A
Sodium bicarbonate	A	Sodium perborate	A	Turpentine	C
Aluminum oxide	A	Hydrogen peroxide	A	Sodium thiosulfate	A
Sulfur dioxide (dry)	A	Beer	A	Toluene	B
Sulfur dioxide (wet)	A	Groundwater	A	Trichloroethylene (dry)	B
Oxygen	A	Propane	A	Trichloroethylene (wet)	B
Linseed oil	A	Castor oil	A	Coal tar	B
Molasses	A	Gelatin	A	Ammonium carbonate	A
Sodium metasilicate	A	Paint solvents	B	Barium carbonate	A
Methane	A	Mercury	A	Potassium carbonate	A
Methyl alcohol	A	Fish oil	A	Sodium carbonate	A
Methyl chloride	B	Gypsum	A	Calcium carbonate	A
Mineral oil	A	Sulfur	C	Hydrocarbons	A
Mineral water	A	Ammonium sulfate	A	Xylene	C
Milk	A	Barium sulfate	A	Natural gas	A
Monoammonium phosphate	A	Potassium sulfate	A		
Seawater	A	Aluminum sulfate	A		
Soap	A	Magnesium sulfate	A		
Diesel fuel	A	Copper(II) sulfate	A		
Nitrobenzene	C	Nickel(II) sulfate	A		
Vinegar	A	Sodium sulfate	A		
Amyl acetate	B	Zinc sulfate	A		
Methyl acetate	C	Ferric sulfate	A		
Lead acetate	A	Ferrous sulfate	A		
Sodium acetate	B	Carbon disulfide	C		
Oleum	C	Sodium sulfite	A		
Fruit juices	A	Soda water	A		
Magnesium oxide	A	Soybean oil	A		
Fuel oil	A	Mercury salts	A		
		Salt solution	A		

Notice:

Material: Nitrile rubber resistant to common oil products, most mineral oils and plastic grease based on mineral oils, animal and plant oil, fat and hot water.

For indicative assessment of the NDC use suitability the chemical resistance chart has been prepared. In the case of substances not listed here, you will be sent a sample of the material to test resistance directly on request. Substances which are marked with the letter B in the list are erosive to materials to certain extent (see the resistance chart). Erosion depends on the time of effect, conditions, type, concentration and temperature of the substance.



Taking into account large numbers of chemical substances and variety of conditions concerning their application and other influences, this certificate is for indicative purposes only. NDC is designed for fast solutions to emergency accidents and is not designed for permanent solution of chemical substances leakage. In order to come to relevant conclusions concerning the chemical resistance level of a specific chemical substance, it is recommended that you always perform individual resistance testing.

With respect to the aforesaid information, the producer bears no liability concerning any potential damage which may arise in connection to any actions performed while trusting this list only without any binding assessment or testing carried out by the user.

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: