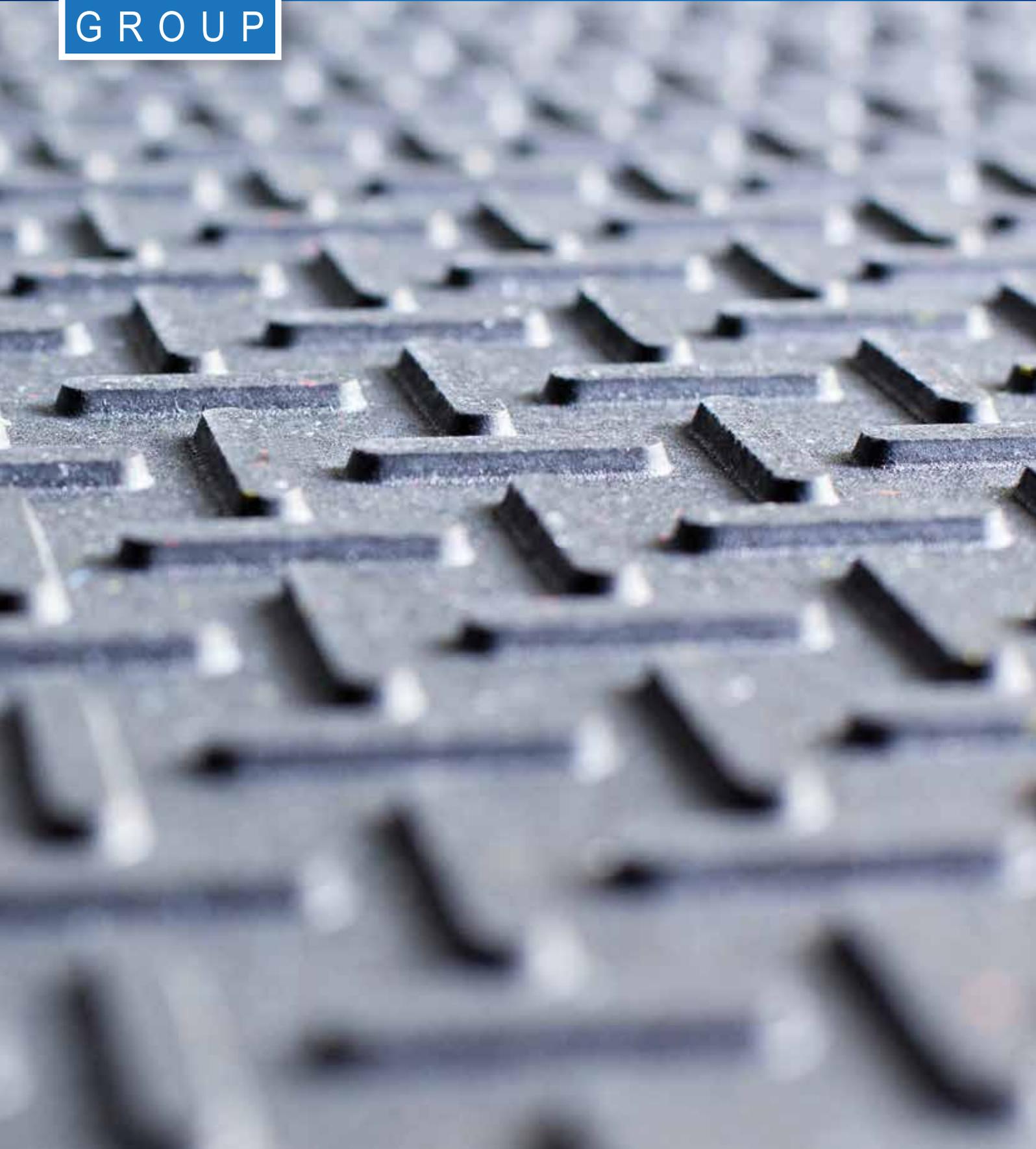




PJ POLYPLATE

FACTORY OF PRESSED POLYMER SHEETS



ABOUT US

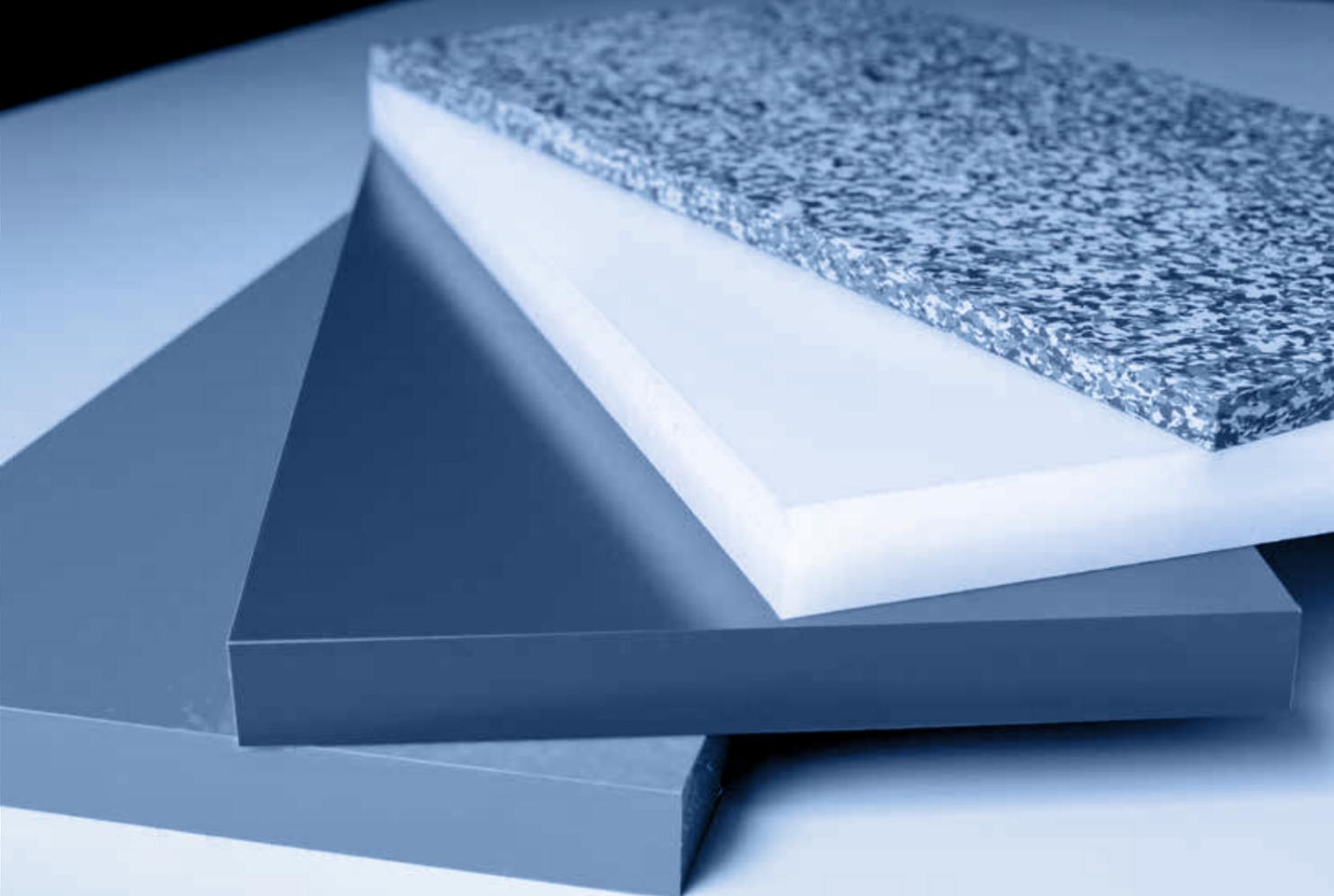
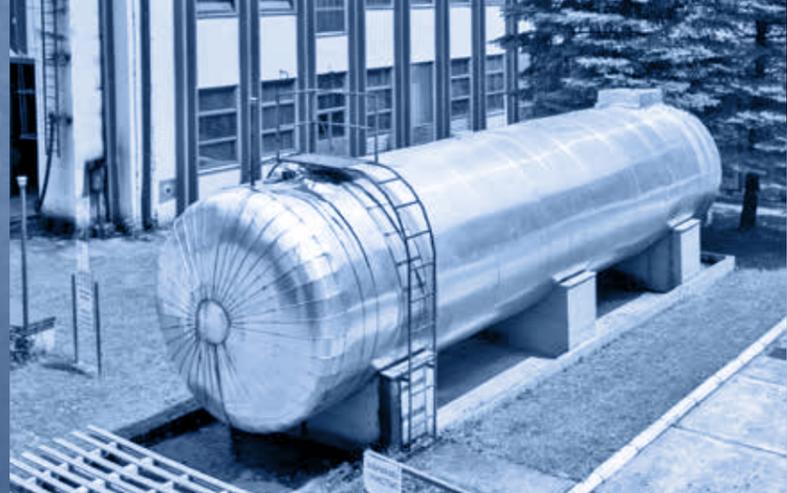
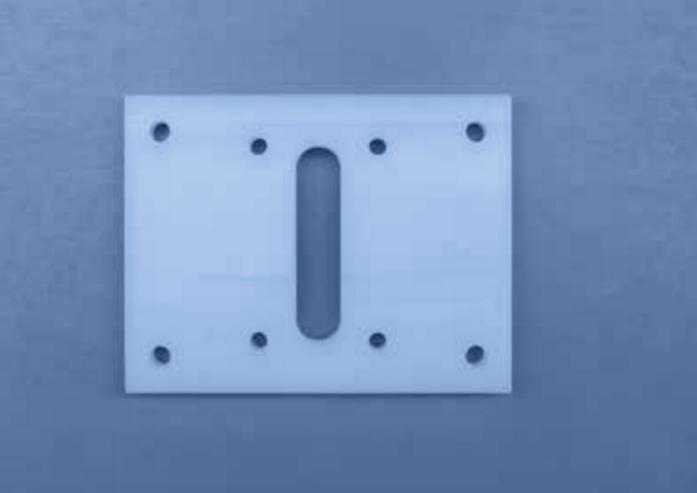


Our factory of pressed polymer sheets POLYPLATE is located in village of Batote, 9 km away from Brus.

Factory was founded in 1990.

In years 2006, 2007 and 2013 new press machines were installed, so capacity significantly increased from existing 500 t/year to 1200 t/year.

More than 90% of production is being exported to companies in EU and USA.



PRODUCTS

PRESSED POLYMER SHEETS

1. PRESSED POLYPROPYLENE SHEETS

- a) PPH natural and color sheets
- b) PPC natural and color sheets
- c) PPC relief sheets

2. PRESSED POLYETHYLENE SHEETS

- a) HDPE natural and color sheets PE-300
- b) HDPE black sheets PE-100
- c) HDPE both sides relief sheets PE-300

3. PRESSED HIGH MOLECULAR WEIGHT SHEETS HMW PE-500

Pressed HMW Natural and color sheets PE-500

4. PRESSED ULTRA HIGH MOLECULAR WEIGHT SHEETS UHMWE PE-1000

- a) UMMWPE Natural and color sheets PE-1000, Mw = 3 - 4 mil.
- b) UMMWPE Natural and color sheets PE-1000, Mw = 9 mil.
- c) UHMWPE Both sides relief sheets PE-1000 R, Mw = 2 mil.

5. PRESSED PS AND ABS SHEETS

6. IN OUR ASSORTMENT WE ALSO HAVE

- a) PPH Extruded sheets-grey RAL 7032
- b) HDPE Natural and black sheets
- c) PPH and PPC welding wire
- d) HDPE welding wire

PRODUCT DESCRIPTION

1. PRESSED POLYPROPYLENE SHEETS

They are produced in following dimensions:

- a) 2500 x 3000 mm, thickness from 10 mm to 100 mm
- b) 2050 x 2100 mm, thickness from from 10 mm to 80 mm

The Polypropylene belongs to the lightest thermoplastic materials.

PP has outstanding resistance to chemicals. Temperature range for PP Homopolymer is from -20 °C to 100 °C. Temperature range for PP Copolymer is from 0 °C to 100 °C. It is distinguished by the high elasticity. Excellent processing. Outstanding dielectrical and insulating characteristics. PP does not absorb any water and physiologically is perfect.



2. BOTH SIDES RELIEF PE SHEETS

For production of both sides relief sheets we use materials:

1. HDPE
2. UHMWPE

Standard size of this relief sheets are:

- a) 3000 x 2500 x 40 mm,
weight of one sheet is 300 kg
- b) 3000 x 2500 x 22 mm,
weight of one sheet is 176 kg

Color of both sides relief sheet is black.

The main application of two sides relief sheets is:

- Temporary roads
- Platforms for oil fields
- Parking places (grass protection); they were used during Olympic Games in London in 2012 for that purpose
- Airport terminals

Relief sheets are resistant to ambiental temperature in range -80 °C do +80 °C.
Carrying capacity of two sides relief sheets d = 40 mm is even 150 t.

3. PRESSED HDPE SHEETS PE-300

Standard dimensions of PE sheets:

- a) 2500 x 3000 mm,
thickness from 10 mm to 100 mm
- b) 2050 x 2100 mm,
thickness from from 10 mm to 80 mm

- Outstanding mechanical performances
- Outstanding resistance to the chemical media
- Temperature range for HDPE is from -80 °C to 60 °C.
- It is distinguished by the high elasticity
- Excellent processing properties
- Very good brake resistance
- HDPE does not absorb any water and physiologically perfect

Molecular weight of PE-300 sheets is 300.000 g/mol.



4. HMW PE SHEETS PE-500

Standard dimensions of PE sheets:

- a) 2500 x 3000 mm, thickness from 10 mm to 100 mm
- b) 2050 x 2100 mm, thickness from 10 mm to 80 mm

- Outstanding mechanical performances
- Outstanding resistance to the chemical media
- Temperature range for HDPE is from -80 °C to 60 °C.
- Very good brake resistance
- HDPE does not absorb any water and physiologicly is perfect

Molecular weight of PE-500 sheets is 500.000 g/mol.

5. PE-1000 PRESSED SHEETS

Standard dimensions of PE sheets:

- a) 2500 x 3000 mm, thickness from 15 mm to 80 mm
- b) 2050 x 2100 mm, thickness from 15 mm to 60 mm

UHMWPE has improved mechanical properties in comparison with standard HDPE materials.

Physical properties:

- Outstanding mechanical performances
- Outstanding resistance to the chemical media
- Temperature range for UHMWPE is from -200 °C to 80 °C
- Excelent impact resistance
- Very good abrasion characteristics
- Very good sliding properties
- HDPE does not absorb any water and physiologicly is perfect

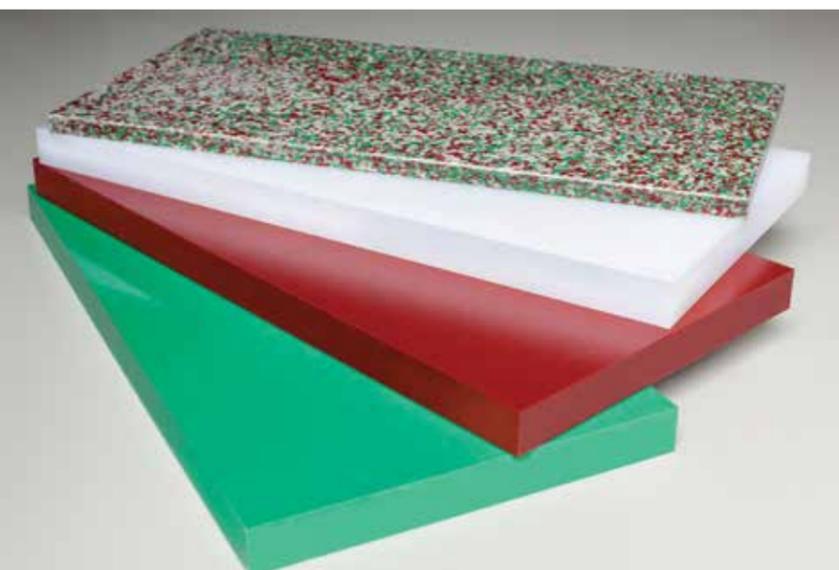
Processing of UHMWE sheets is same as for metal processing. It is not possible to do welding of PE-1000 sheets using PE welding wire. PE-1000 sheets have very broad aplication in all branches of industry. PE-1000 sheets are being produced from materials with molecular masses 4.000.000 g/mol and 9.000.000 g/mol.

FOR DETAILED CHARACTERISTICS OF MATERIALS USED IN OUR PRODUCTION, REFER TO TECHNICAL DATA SHEETS WHICH WILL BE PROVIDED UPON REQUIREMENT.

APPLICATION FIELDS OF POLYMER SHEETS

1 POLYPROPYLENE HOMOPOLYMER PRESSED SHEETS PPH

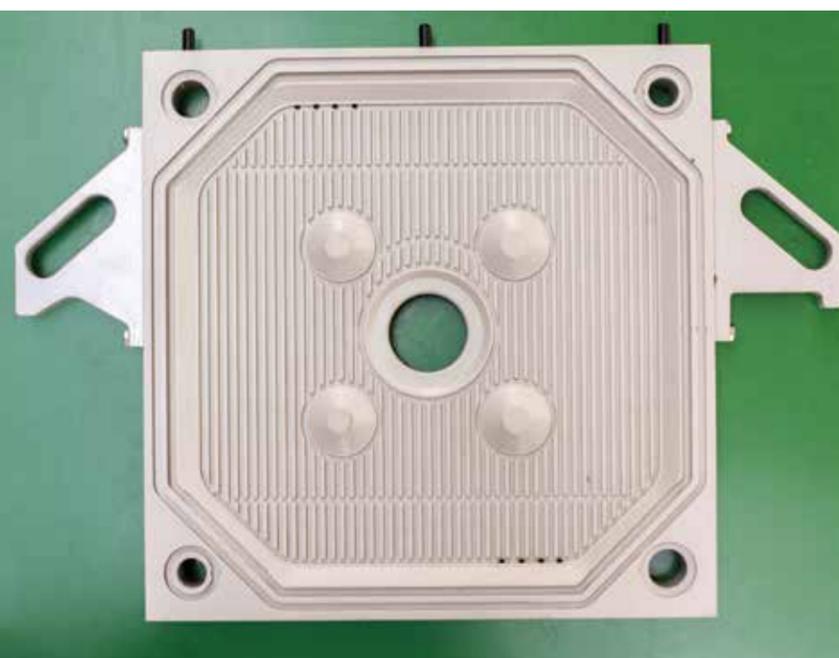
- a) Different types of vessels and tanks
- b) Galvanoplasty equipment
- c) Cutting boards
- d) Filter plates



PPH cutting boards



PPH round cutting board



Filter plate

2 POLYPROPYLENE COPOLYMER PRESSED SHEETS PPC

- a) Waste water treatment unit
- b) One side relief sheets
- c) Galvanoplasty equipment



Waste water treatment unit



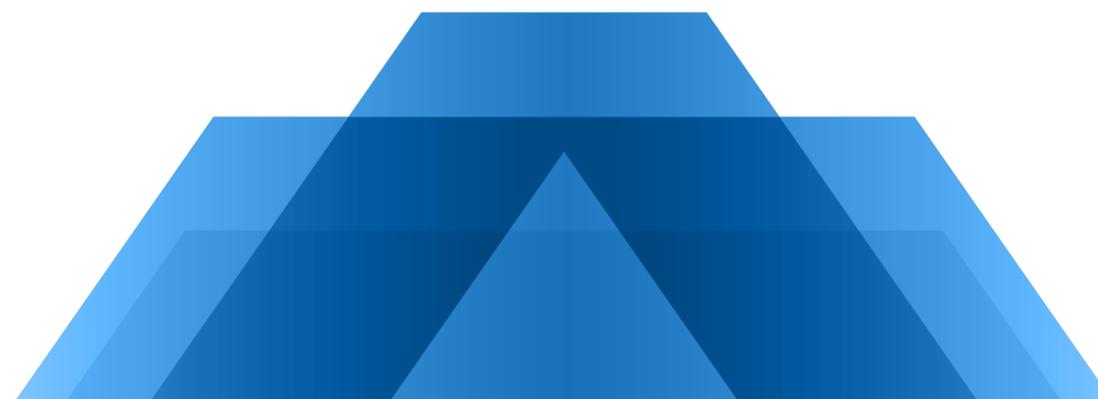
Oil separator



Grease separator



One side relief sheet



3

POLYETHYLENE PRESSED SHEETS PE-300

- a) Different types of reservoirs
- b) Cutting boards for food industry
- c) PE flanges for PE pipes connection (join)
- d) Both sides relief sheets



PE water tank - vertical



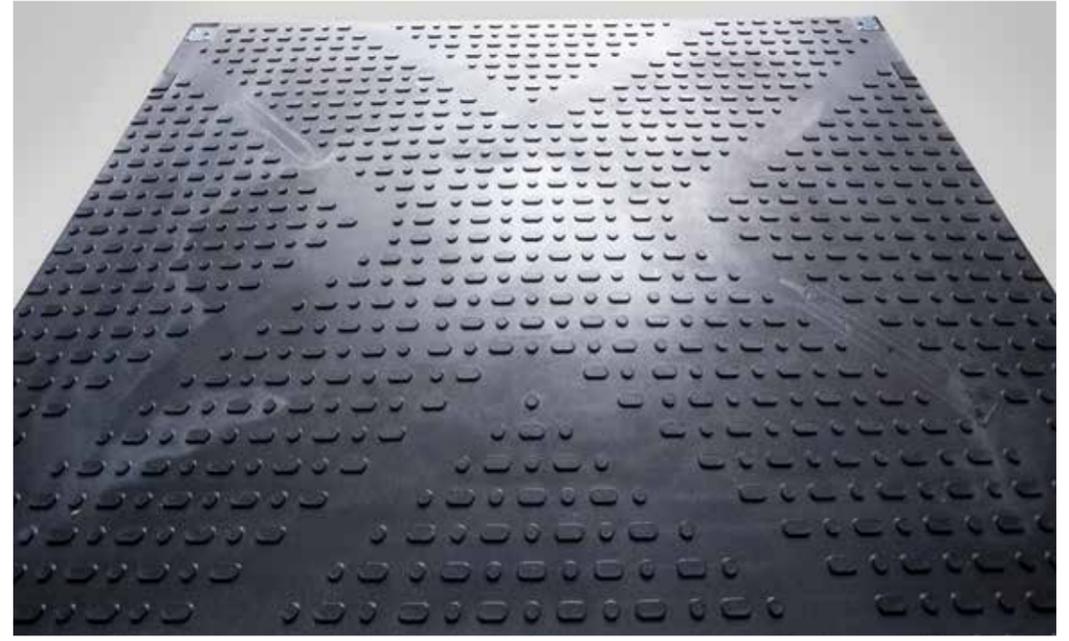
PE water tank - horizontal



PE holder for cranes



PE boards for food industry



PE both sides relief sheets (upper)



PE both sides relief sheets (lower)

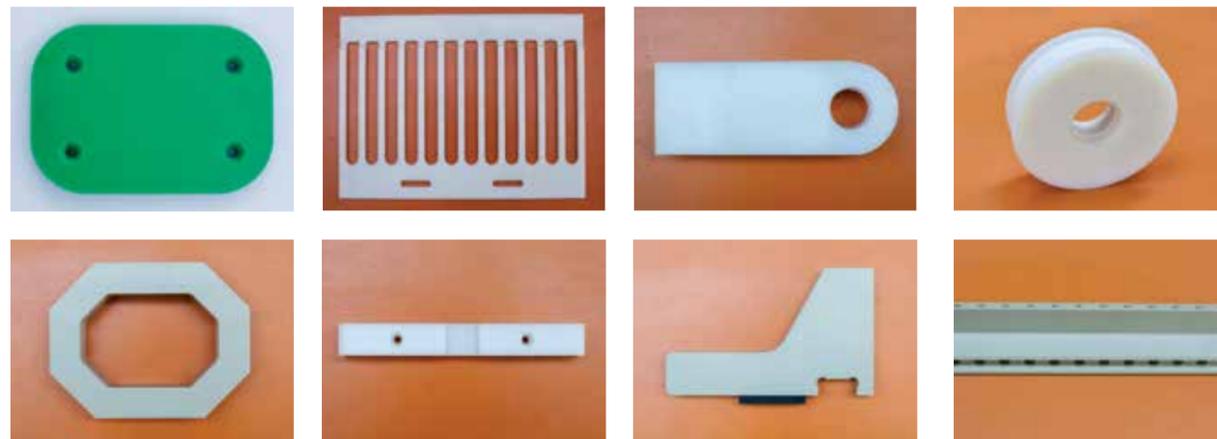
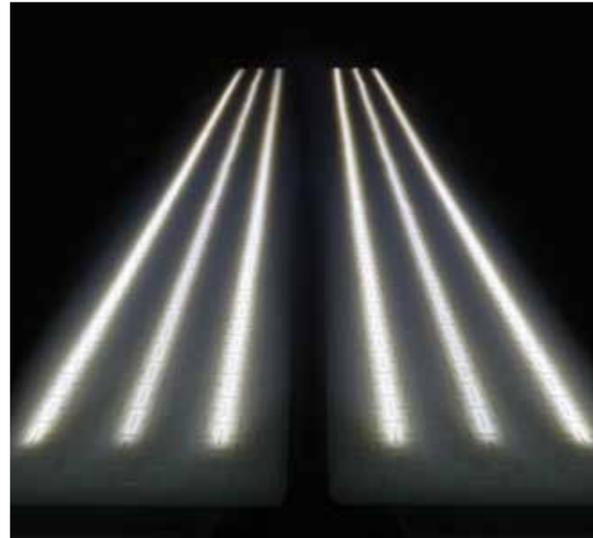
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HIGH MOLECULAR WHITE PE SHEETS PE-500

- a) Luminous crosswalk
- b) Food industry - cutting boards
- c) Sport complex buildings
- d) Mechanical industry parts



PE sheets for luminous crosswalk



Mechanical parts PE-500

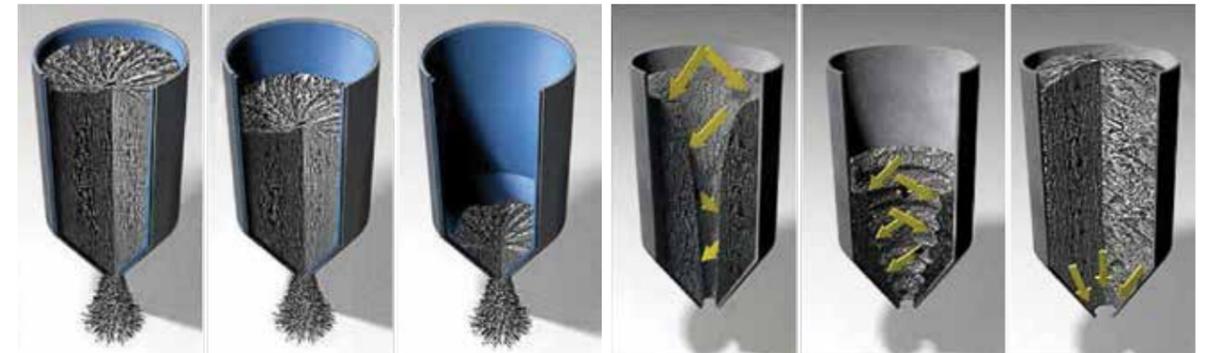
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UHMWPE SHEETS PE-1000

- a) Silos lining in mining industry
- b) Beverage and food industry
- c) Shipbuilding industry
- d) Sport and recreation accessories
- e) Parts for chemical industry



PE-1000 sheets



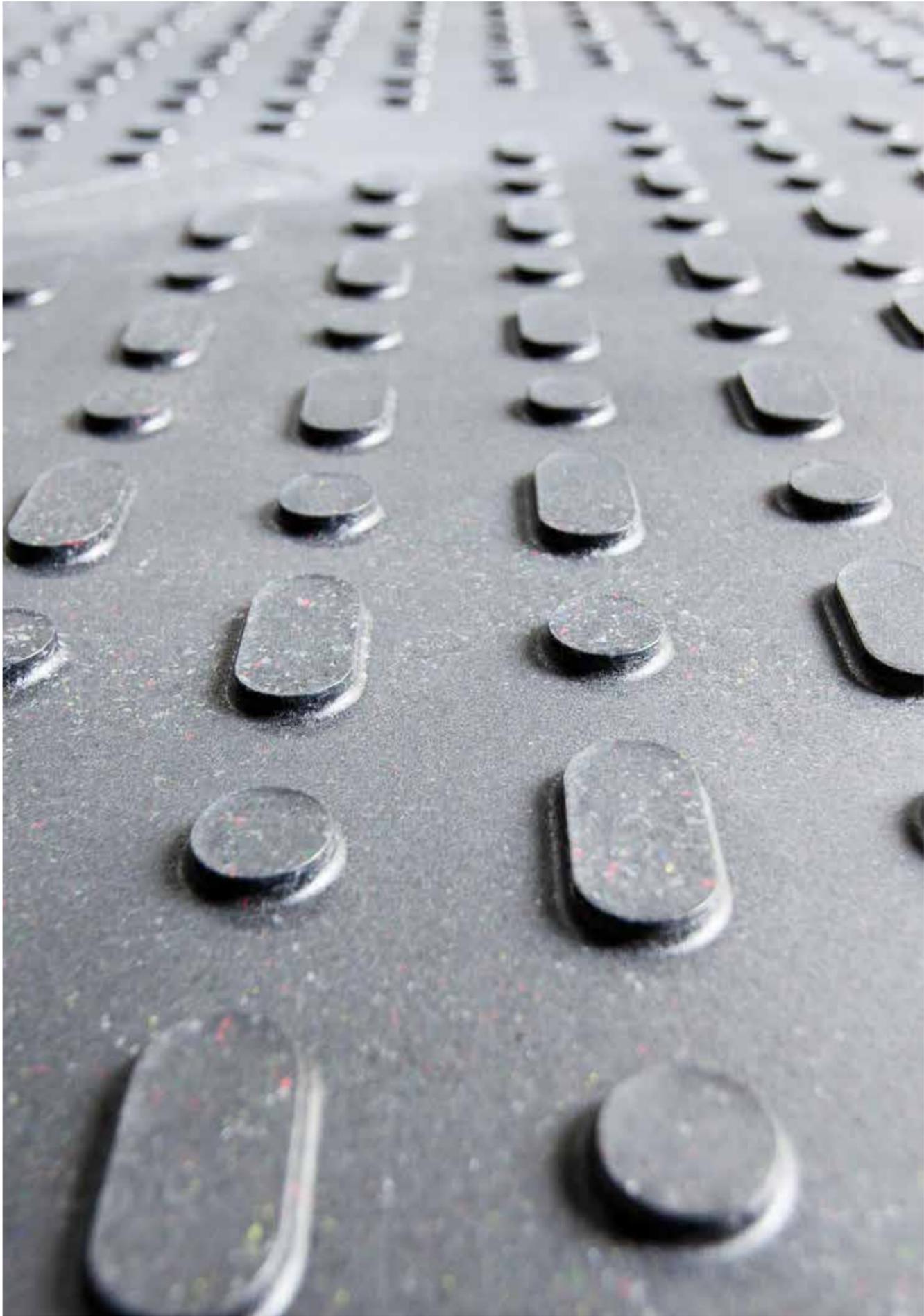
Silos lining



Shipbuilding industry



Sport and recreation





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