



We equip space.
The most safely



CATALOG



We equip space. The most safely

We are a dynamically growing company with long-term experience in the field of maintenance and safety in warehouse halls, production halls and logistics centers, as well as on parkings and in airports. We deal with production, distribution and regular improvement of modern systems intended to protect from accidents and collisions in locations, where safety of people, machinery and other vehicles and equipment could be endangered.

The company, in its products & services catalog, has protective barriers, industrial guards & fenders, mirrors, rapid alert systems and many other products related with maintenance and operation safety in a broad meaning.

We offer both, steel products, commonly used in the market, and products made from the latest polymer plastics such as iPlast and Ertax. They assure extraordinary strength and resistance to mechanical damages and weather conditions. All products come with certificates of conformity approving them in the area of the European Union, and they also meet very restrictive standards of the foodstuffs industry. They are reliable, easy to erect and most of all, they assure the highest safety level. Hence, number of accidents and production downtimes generating serious financial loss are reduced.

Confirmation of the quality we offer is cooperation with the largest production companies and logistic centers in Poland, as well as growing presence at the European markets. Our main advantage, distinguishing us from our competitors, is complexity of our products & services catalog. We render services starting from inspection, to a free design of protective systems and erection of them. We have regularly followed needs of our clients and due to a continuous development and the latest solutions we provide best quality service.

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Dear Sir/Madam,

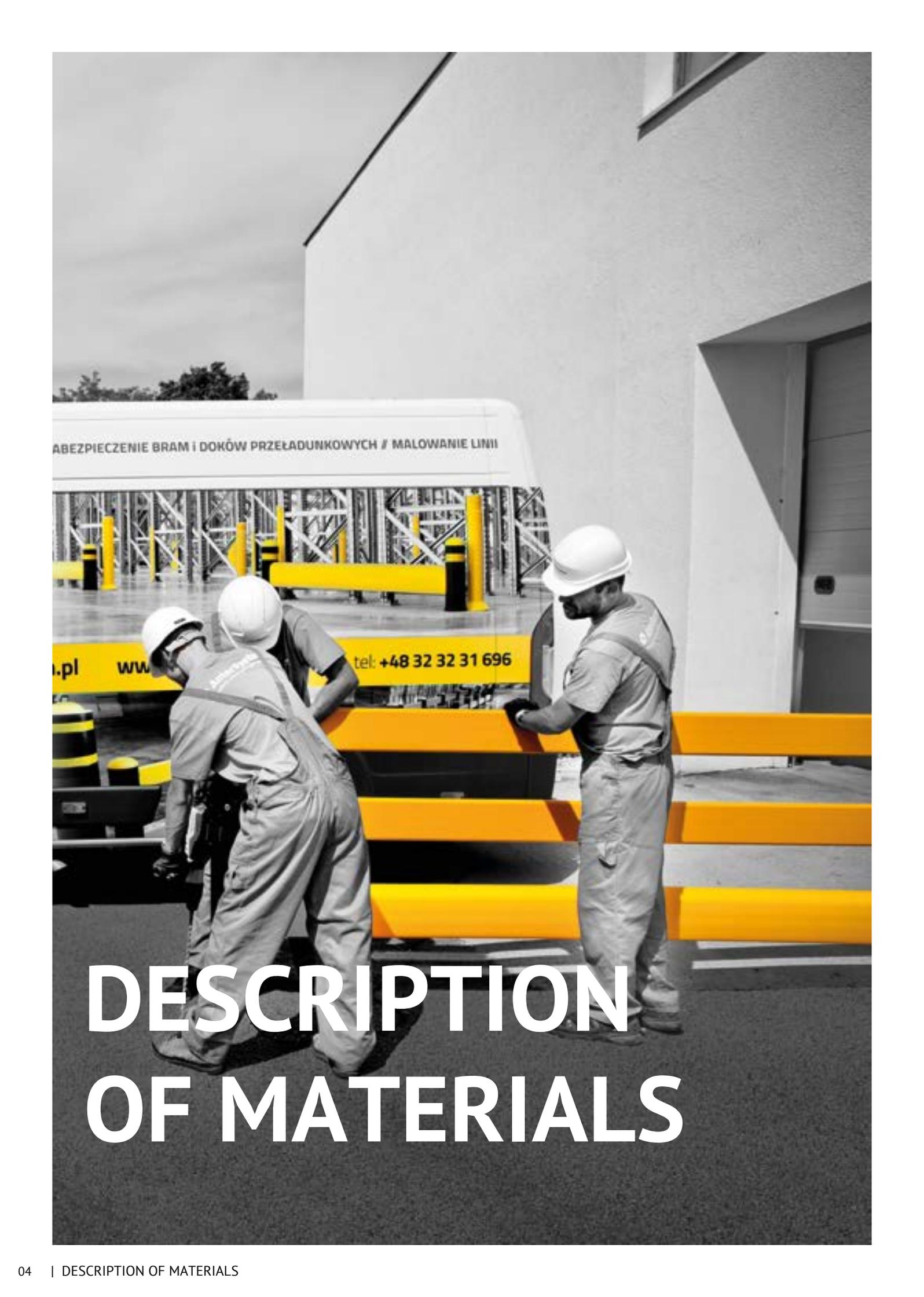
It is our honor to provide you with the latest review of the Anter System Company's catalog. We believe it will enable you to familiarize with our products and services and it convince you to select us as a reliable partner.

Anter System Company was established in 2006 and it deals with provision of services and products designed to enhance safety, among others, in warehouse halls and logistics centers, as well as solutions intended to assure undisturbed maintenance and operation in production companies. Anter System

Company's specialists assist clients at every stage of their investments and provide them with professional consulting, starting from inspection, to a design stage and an erection stage.

Due to high standards the company has been growing up and it has been operating in the area of the entire country. Long-term experience, wide range of products and high quality of services, which meet rigorous standards, make that the Anter System Company satisfies even the most demanding clients.

Anter System Management Board



ABEZPIECZENIE BRAM I DOKÓW PRZEŁADUNKOWYCH / MALOWANIE LINII

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DESCRIPTION OF MATERIALS

i-PLAST compound

The „i-PLAST” compound is a reinforced techno-plastic material made of a polymeric base. It allows to produce bars of a thickness and geometry never realized before. The i-PLAST is completely fire resistant, non-toxic and in full compliance with HACCP standards, therefore is advisable to companies most demanding in hygiene and safety. The profiles are extruded by using a ready-mixed compound that presents a high resistance to weather and corrosion, so the installation is permitted outside too. The profiles are hollow to allow the barriers, once hit, to deform and disperse the impact Energy, When the stress ends, the barriers come back to the initial balance position.

The ERTAX

The ERTAX Compound is an extremely innovative techno-plastic material of our formulation which presents the highest mechanical elasticity. It is non-toxic, in compliance with HACCP standards. Since the surface is not subjected to any pre-treatment, the material keeps itself undamaged over time and it presents an excellent resistance to weather and corrosion, so the use is permitted outside too. The products are obtained from high-compression semi-processed plates, and made in a special geometry which allows an excellent dynamic reaction to impacts, with a controlled deformation.

Steel

Steel is the alloy of the iron and other additives, comprising approx. 2% of the carbon. It is produced during thermal processes, so called steel processes, in a liquid form. Then, it is treated into semi-goods and steel products such as pipes, shapes and sections. We use best quality steel only to manufacture our goods, without any impurities, which deteriorate attributes of the steel. Our products are galvanized in order to protect them from the corrosion. We also apply powder painting. Apart from aesthetic attributes, the powder painting enhances protection from unfavorable weather conditions.

Rambowl

Rambowl is a line of products made from plastics bonded to a steel core. Barriers are made from polyurethane which is more lasting compared to normally applied polyamide. Rambowl is a line comprising products highly resistant to weather conditions, due to the polyurethane protecting products from corrosion.



SERVICES

SAFETY INSPECTION // DESIGN // INSTALLATION// PAINTING OF A LINE



SAFETY CONTROL

Safety inspection, independent and objective assessment of coherence of an examined object with legal regulations, standards or internal regulations of an organization. Hence, it is possible to identify existing hazards and, at subsequent stages, to eliminate them.

We have cooperated with experts having long-term experience in the field of short, extensive and full safety inspections, and therefore we can provide our clients with a complex and objective analysis of information on existing safety level. During an inspection, also effective operation of existing protective measures is controlled. Our inspectors identify hazards and check coherence of applied procedures with the safety policy. Systems recommended by Anter System concern an investment stage, an executive and a procedural stage of the safety management.

SAFETY CONTROL

DESIGN

When carrying out designs we cooperate with architects, developers and owners of objects in order to include, from the very beginning, safety systems and systems intended to assure proper maintenance and operation. Hence, we can shorten time necessary to complete an investment. Experience, we have acquired, enables us to select solutions minimizing risk of accidents and downtimes. We also offer professional assistance at the process of development of required documentation. We can offer free of charge designs including warehouse racks protective systems or machinery, and setting up passageways in the area of already existing objects.

DESIGN



INSTALLATION

Our long-term experience enables us to render services in the field of space protection, maintenance and operation, as well as erection of products we offer at the highest quality level. Due to own erection works & assembly team, equipped with professional best class equipment, we are able to adjust ourselves to existing needs also at the erection stage.

Our clients can rely on our professional consulting and take benefit from performance of designs in a way accordant with binding standards and regulations. Delivering materials, we are able to warrant that the entire system of protections will be carried out acc. to a manufacturer's guidelines. Our company provides also services concerning maintenance and repairs of protections damaged during their operation.

Using our erection services means comfort and time saving, but most of all, safety guarantee for people, machinery and devices.

INSTALLATION

LINE PAINTING

We offer a complex and professional line painting service comprising both, a design and performance of it. Signs in passageways, at locations, when pedestrians walk, cars drive and lift trucks operate, are of crucial meaning for reduction of number of accidents and collisions. It enables to assure required safety level and consequently, to reduce expenses arising from compensation of damages being effects of unpredicted incidents.

Range of our services covers both, internal areas such as halls, logistics centers or warehouses, and external ones, in particular parkings, playgrounds, airports and maneuver yards.

We provide service consisting in establishing of a route based on rules valid in a company, governing traffic, preparation of an area, protection of works area and painting of lines acc. to binding standards and OHS regulations. When carrying out works, we use exclusively high quality road paints or epoxy or polyurethane acrylic paints, applied by means of hydrodynamic spraying. They can be applied on varied type of surfaces, such as asphalt, concrete, cobblestone and other.

LINE PAINTING



PRODUCTS MADE FROM PLASTICS

BARRIERS // POLES // GUARDS & FENDERS



BARRIERS



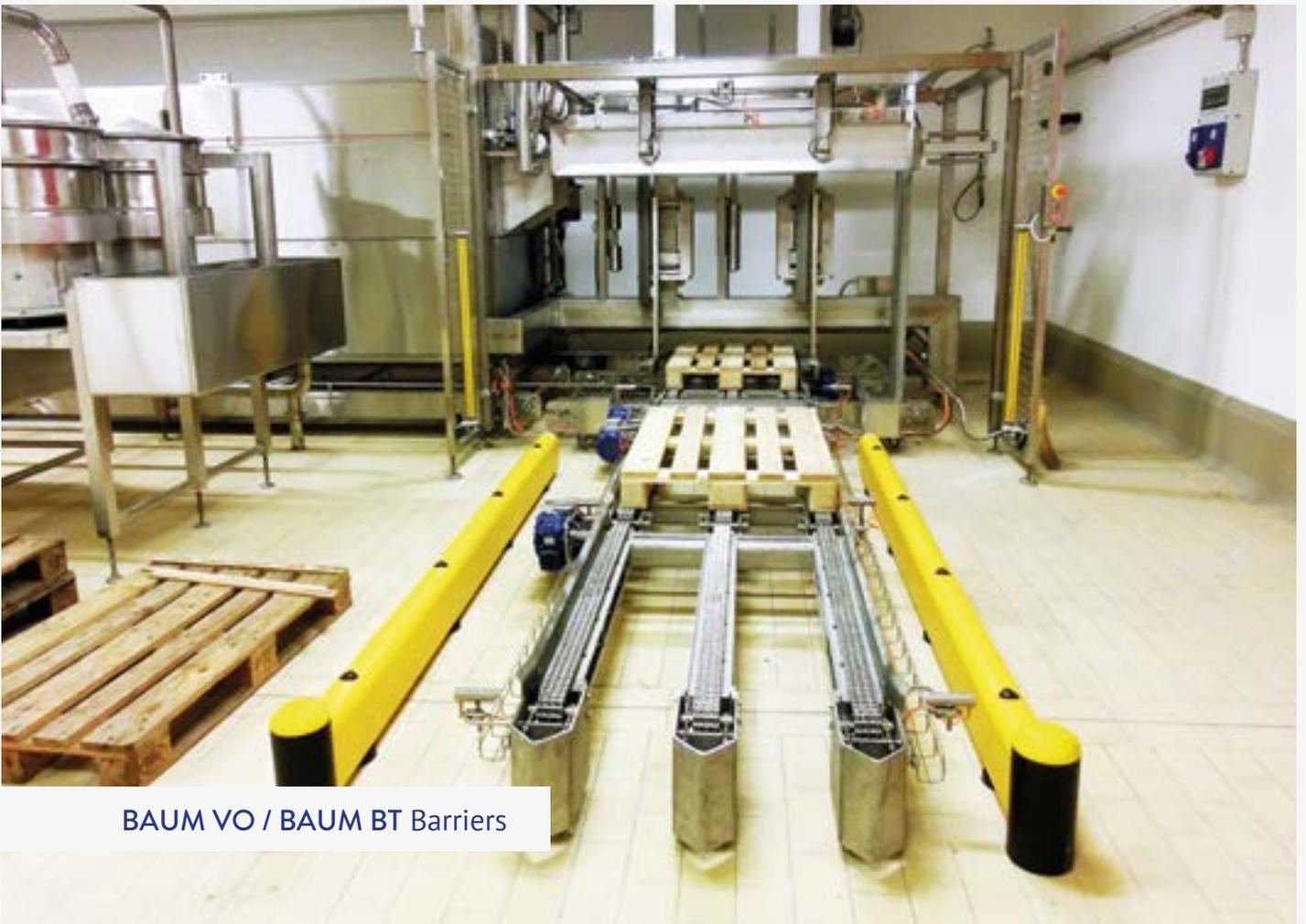
POLES



GUARDS & FENDERS



OTHER



BAUM VO / BAUM BT Barriers



BARRIERS

BAUM VO and BAUM BT

MATERIAL **MODULE LENGTH**

i-PLAST 500-6000 mm

HEIGHT **WIDTH**

235 mm 105 mm

INSTALLATION

Using M12 anchors based on rubber caps (NBR), assuring absorption of even very heavy strokes; at the same time, the floor structure is not deteriorated.

Baum VO | Baum BT Suitable to protect machinery and wide surfaces, the Schockproof Barrier EE Line combines the extraordinary innovation of a dynamic profile with a traditional static fixing system made by using special anchor plugs. The base is 105mm large and the centre of mass is very low in order to make the barrier more resistant. The profile made of „i-Plast” techno-plastic, non-toxic and fire resistant, is hollow inside to allow the barrier, once hit, to deform and disperse the impact Energy. When the stress ends the Barrier comes back to the initial balance position. The Barrier is watertight: a spacer provided with a coextruded rubber gasket prevents every kind of infiltration. The watertight rubber caps, next to each fixing point and at the ends of the profile, are in compliance with HACCP standard.

BAUM VO and BAUM BT



BAUM TX barrier



BAUC i BAUC 2 barrier

BARRIER

BAUM TX

MATERIAL **MODULE LENGTH**

i-PLAST, ERTAX 500-3000 mm

HEIGHT **WIDTH**

490 mm 105 / 160 mm

INSTALLATION

- 2 assembly variants
- M30 anchor
- 4 x M12 anchor

BAUM.TX is suitable to protect the most delicate parts of the racks, the Rack End Protection combines the extraordinary innovation of a dynamic profile with the SBS Fixing System-Patented- wich allows to the Barrier to support heavy impact without any damage to the floor. Profiles and trunks, made of „i-Plast” and „ERTAX” techno-plastic material, allow to minimize the maintenance costs. The Barrier is watertight: a spacer provided with a coextruded rubber gasket prevents every kind of infiltration, in compliance with HACCP standards

BAUM TX

BARRIER

BAUC and BAUC 2

MATERIAL

i-PLAST, ERTAX

MODULE LENGTH **HEIGHT**

500-3000 mm 890-1090 mm

INSTALLATION

- 2 assembly variants
- M30 anchor
- 4 x M12 anchor

BAUC i BAUC 2 is suitable to protect pedestrian footpaths from forklift trucks on the move, the Handrail Shockproof Barrier is made up of a Shockproof Barrier at fork height and a handrail 800mm height, in compliance with current standards. The Handrail Barrier combines the extraordinary innovation of a dynamic profile with the SBS Fixing System- Patented- which allows to the Barrier to support heavy impacts without any damage to the floor. Profiles and trunks, made of „i-Plast” and „ERTAX” techno-plastic material, allow to minimize the maintenance costs. The Barrier is watertight: a spacer provided with a coextruded rubber gasket prevents every kind of infiltration, in compliance with HACCP standards.A.

BAUC and BAUC 2



Removable barrier BISF



RAMBOWL barrier



BARIERA WYJMOWANA

BISF

| MATERIAL | MODULE LENGTH |
|----------------|---------------|
| i-PLAST, ERTAX | 500-3000 mm |

| HEIGHT | WIDTH |
|--------|--------|
| 560 mm | 105 mm |

| INSTALLATION |
|----------------|
| 6x M20 anchor. |

This barrier is suitable for example for the protection of machinery and equipment, electrical bollards etc., in order to maintain the protected equipment viewable. It is structured with one, two or more shockproof sliding and extractable profiles placed in a floor fixed upright, equipped with a special guide. According both to HACCP and prevention safety rules.

BISF

BARRIER

RAMBOWL

| MATERIAL |
|--|
| Tworzywo poliuretanowe z rdzeniem stalowym |

| MODULE LENGTH | HEIGHT |
|---------------------|---------------------|
| 375 / 750 / 1000 mm | 350 / 600 / 1200 mm |

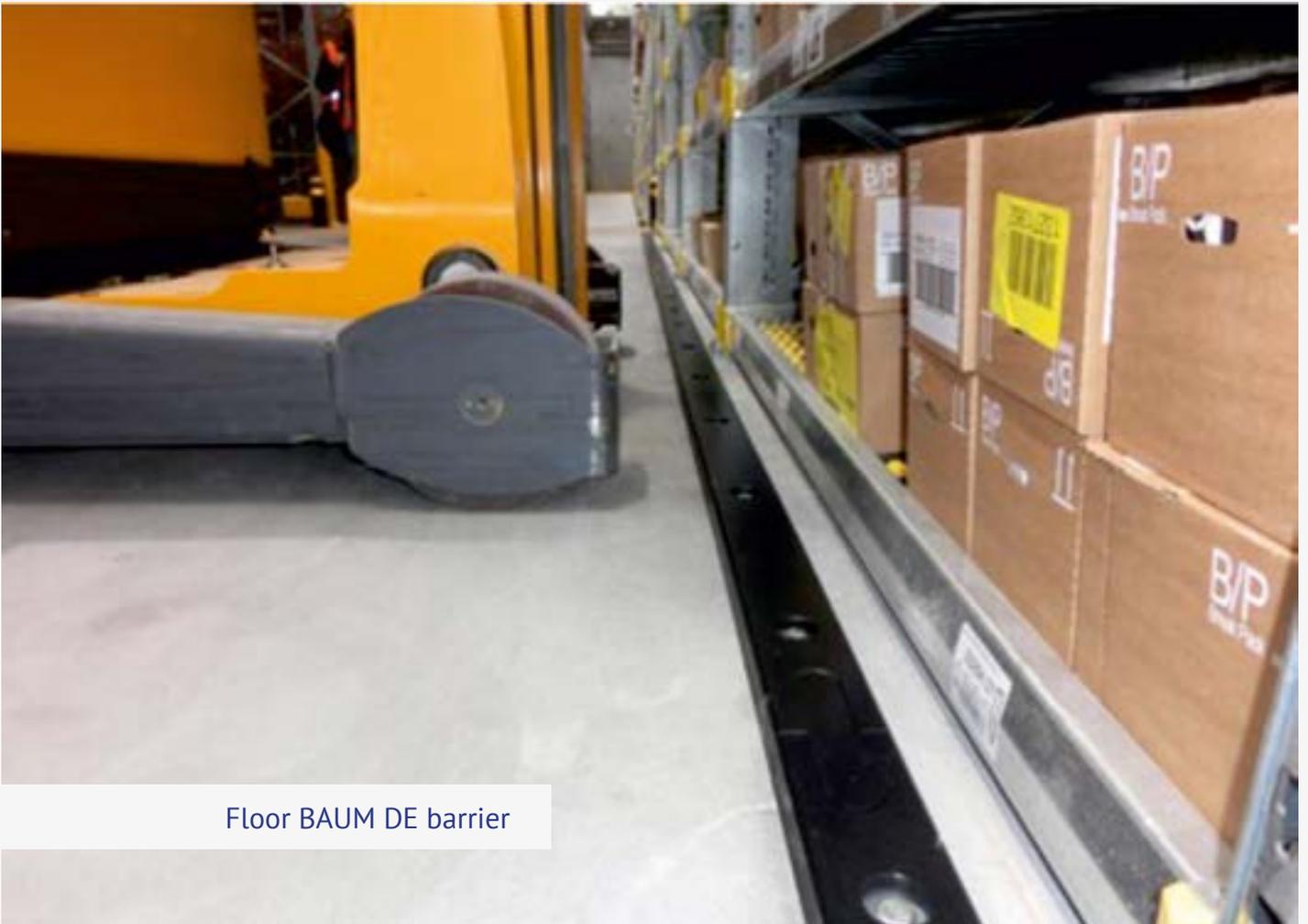
| DIAMETER | INSTALLATION |
|----------|----------------------------------|
| 80 mm | By means of 8 expanding anchors. |

Rambowl barrier protects work stands, walls, machinery, structural columns, racks, passageways and other locations exposed to a collision risk. Rambowl serial solutions work well in the foodstuffs industry and the automotive one because of non-corrosion materials - steel core coated with polyurethane. The barrier absorbs the entire stroke power without being damaged itself. It meets HACCP standards and it can be applied in the foodstuffs industry and the pharmaceutical industry.

RAMBOWL



BAUM SO barrier



Floor BAUM DE barrier

BARRIER

BAUM SO

MATERIAL **MODULE LENGTH**

i-PLAST 2500-5000 mm

HEIGHT **WIDTH**

235 mm 105 mm

INSTALLATION

Fastening depends on a particular area and needs of a client.

Exclusively conceived to protect the upper part of doorways and gateways, the overhead barrier is available in two different versions of barrier profiles, Class V0 profile or Class BT profile, with variable geometry shape which allows a controlled deformation of the element in case of impact. It is offered in different lengths, standard or customizable, as also the fixing spacers whose shape can be modified upon specific structural need of the installation area.

BAUM SO

FLOOR BARRIER

BAUM DE

MATERIAL **MODULE LENGTH**

ERTAX 500-3000 mm

HEIGHT **WIDTH**

40 / 60 / 80 mm 65 / 90 / 120 mm

INSTALLATION

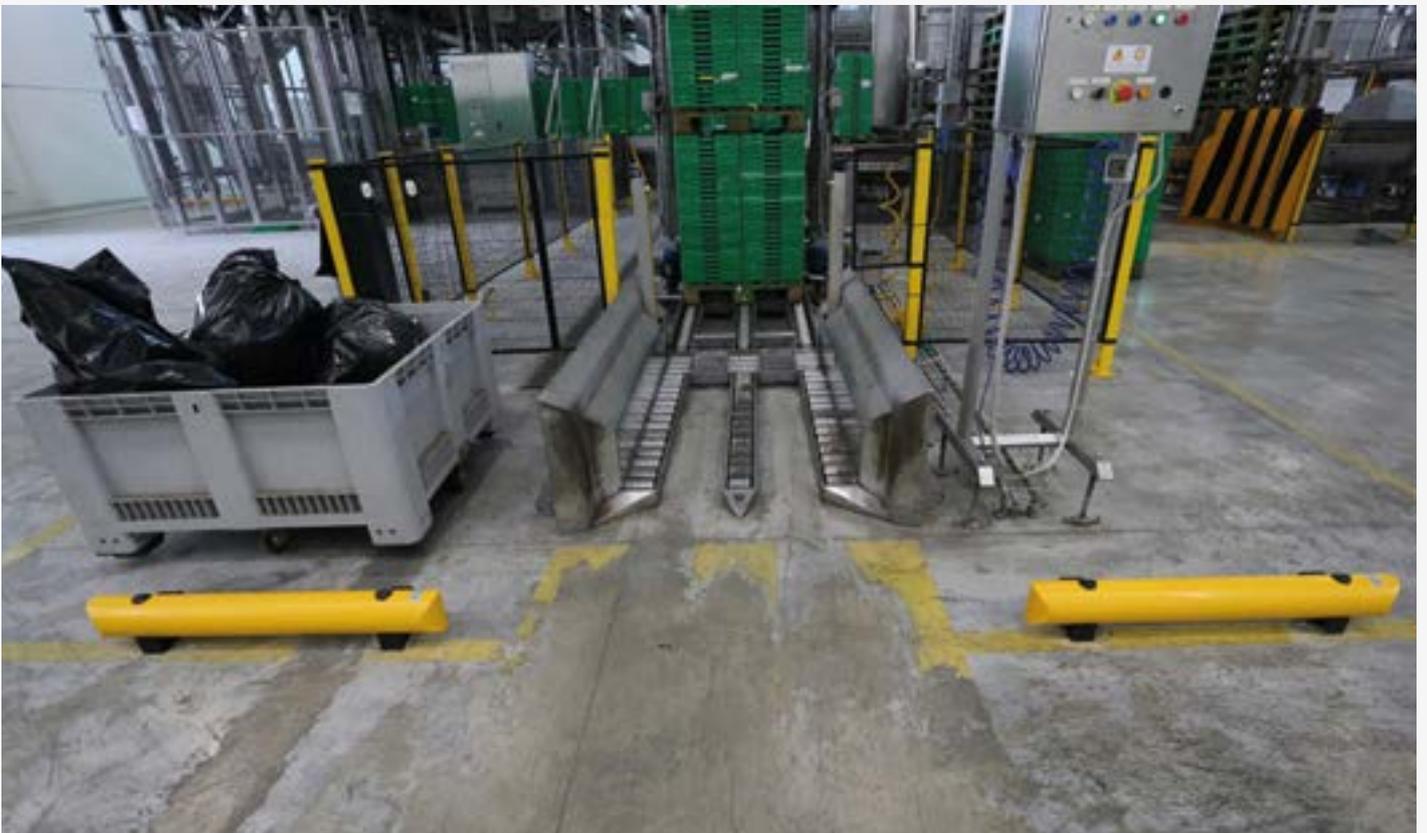
For 40 / 60 mm height: M12 anchors. For 80 mm height: M16 anchors.

Available in different lengths, the boundary module doesn't allow the passage to heavy vehicles inside/outside enterprises.

It is made of techno-plastic material in a rounded shape and it is UVA-resistant.

A base gasket is included and the fixing is granted by special anchor with IP67 seal cap.

BAUM DE



Floor BAUM RX barrier



FLOOR BARRIER
BAUM RX

| | |
|-----------------|--|
| MATERIAL | MODULE LENGTH |
| i-PLAST, ERTAX | 500-3000 mm |
| HEIGHT | WIDTH |
| 160 mm | 180 mm |
| DIAMETER | INSTALLATION |
| 70 / 120 mm | For Ø 70mm: - M16 anchors For Ø 120mm: - M20 anchor |

This barrier is made of non-toxic alimentary polyethylene and it represent the ideal solution to all the situations in presence of very heavy and frequent impacts. The special anti-deflection spacer, made of “ERTAX” techno-plastic material with 80 mm of thickness and tested up to 20.000 Kgs. compression, has a particular geometry which fully annul the lever effect to the floor. Its accessories are IP67 seal type, the barrier is produced according to the HACCP rules.

BAUM RX



Floor RAMBOWL barriers



RAMBOWL bollard

FLOOR BARRIER

RAMBOWL

MATERIAL

The polyurethane with a steel core.

MODULE LENGTH

400 / 800 / 1200 mm

HEIGHT

100 mm

DIAMETER

80 mm

INSTALLATION

By means of 4 expanding anchors.

Floor Rambowl barriers protect work stands, walls, machinery, structural columns, racks, pedestrian ways and other locations exposed to a collision risk. Thanks to a low structure, protected places are easily available. Rambowl serial solutions work well in the foodstuffs industry and automotive one because of non-corrosion materials - polyurethane reinforced internally with a steel core. They absorb the stroke power and do not deform themselves at the same time. They meet HACCP standards; therefore, they can be applied in the foodstuffs industry and the pharmaceutical industry.

RAMBOWL

BOLLARD

RAMBOWL

MATERIAL

The polyurethane with a steel core.

HEIGHT

1000 mm

DIAMETER

90 / 159 / 273 mm

INSTALLATION

By means of 4 expanding anchors.

Rambowl bollard protects machinery, gates, structural columns and other places exposed to a collision risk. Rambowl serial solutions work well in the foodstuffs industry and automotive one because of non-corrosion materials - polyurethane reinforced internally with a steel core. It meets HACCP standards; hence, it is applied in the foodstuffs industry and the pharmaceutical industry.

RAMBOWL



PA SBS bollard



BOLLARD

PA SBS

MATERIAL

ERTAX

HEIGHT

390 / 490 / 590,
890 / 1090 mm

DIAMETER

156 mm

INSTALLATION

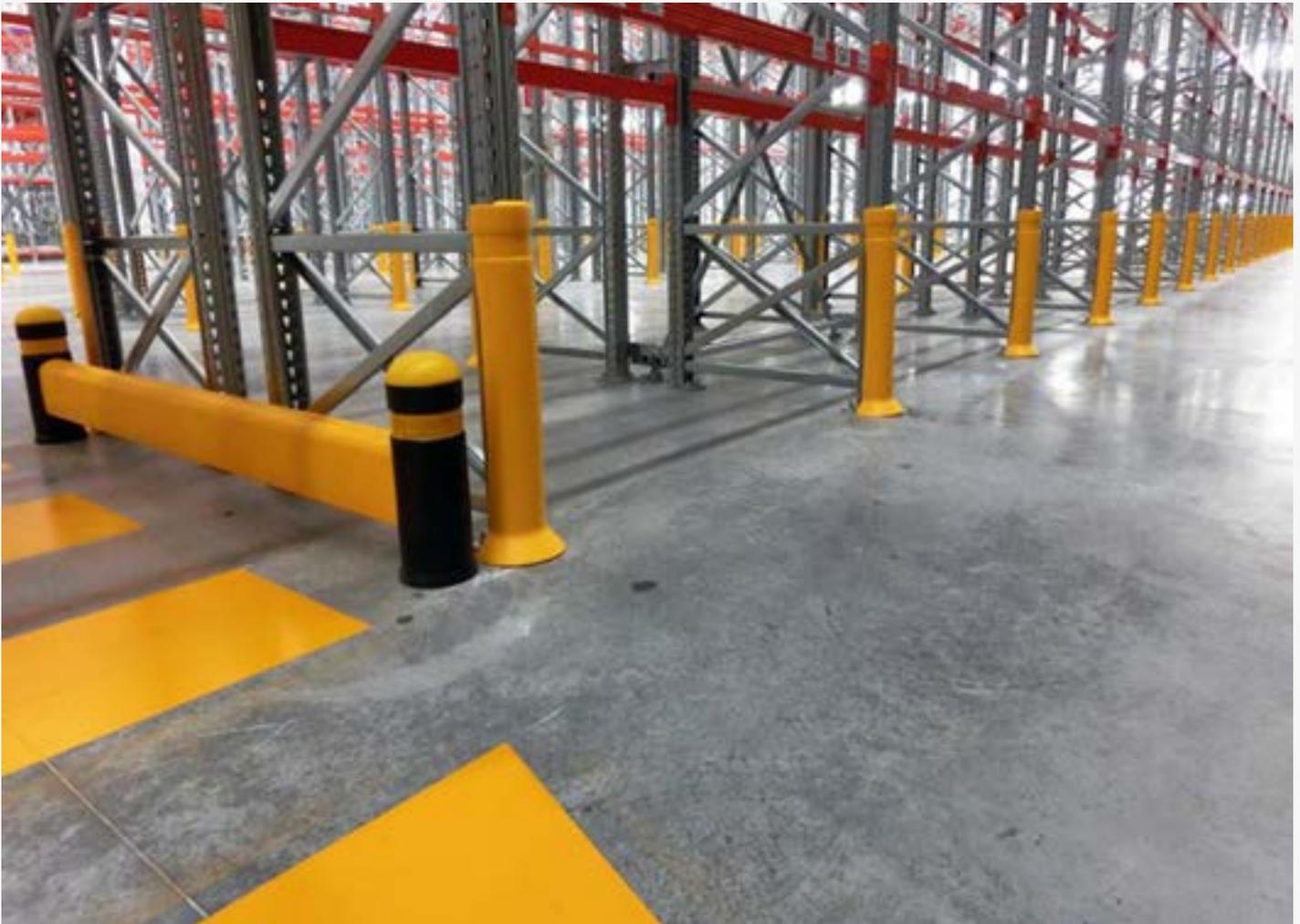
2 assembly variants
-M30 anchor
-4 x M12 anchor

Ideal to protect wall corners and door frames. PA.SBS combines the innovation of a dynamic trunk with a patented fixing system-SBS-which makes possible to preserve the flooring by absorbing impact energy. As for fixing it can be equipped with a special expansion anchor or a sleeve of rubber and chrome which doesn't need any resin or cement during installation. Centre of mass is very low in order to make the Bollard more resistant. The trunk, made of „ERTAX” techno-plastic, is hollow to allow the bollard, once hit, to deform and disperse the impact Energy. When the stress ends PA comes back to the initial balance position. PA.SBS is watertight: a spacer provided with a coextruded rubber gasket prevents every infiltration. Caps are watertight too, in accordance with HACCP standards, and their rounded shape prevents an operator from hurt himself, when he may fall on it. Refracting yellow stripes, in compliance with UNI ECE 104 standards, ensure the highest visibility at night too. By request, PA.SBS can be provided with led lights.

PA SBS



RACK GUARD RACK SHIELD



RACK GUARD

RACK SHIELD

MATERIAL

Ertax

HEIGHT

390 / 590 / 790 mm

SCOPE OF WIDTH

75-110 mm

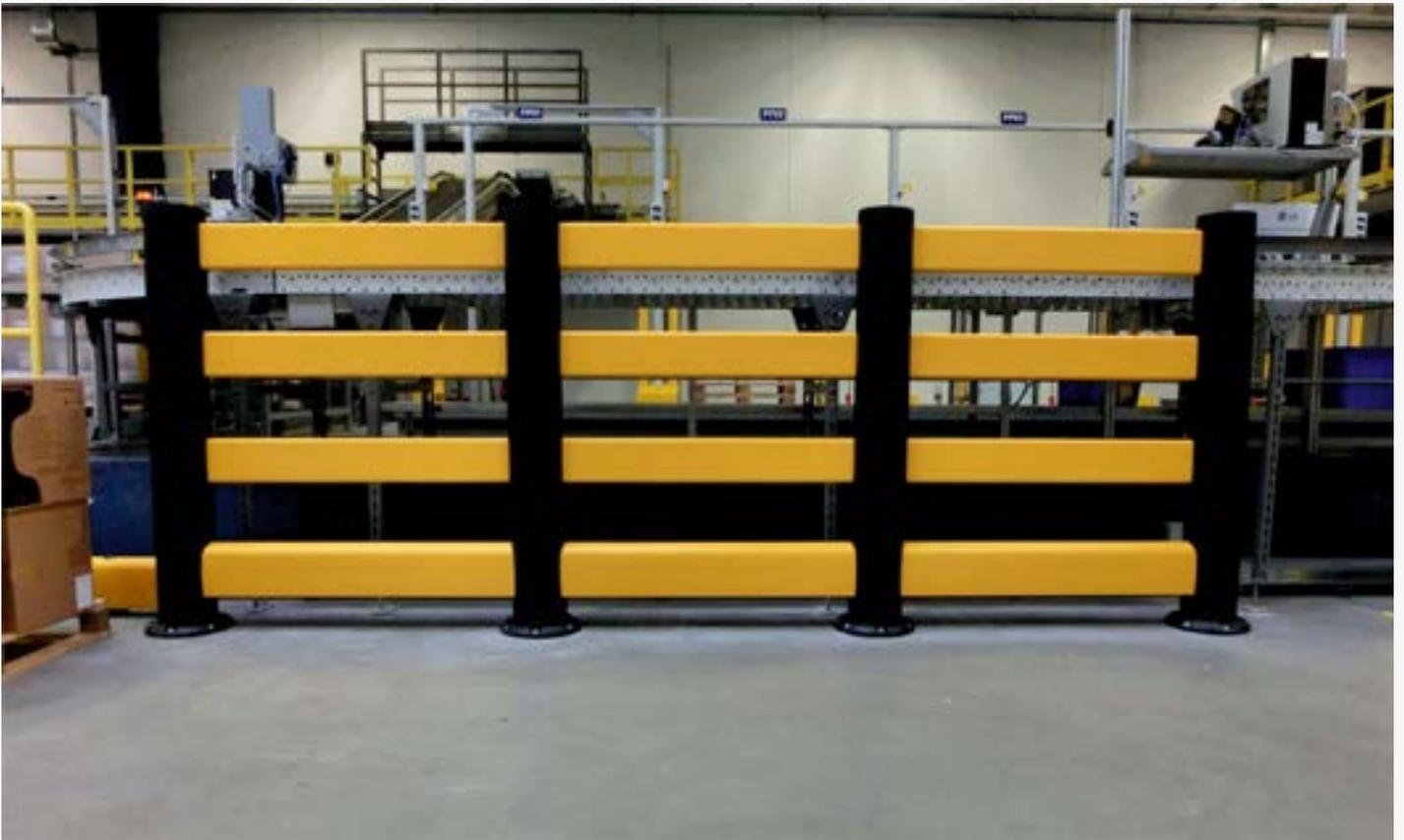
INSTALLATION

It does not require anchoring into the floor, it wraps a rack leg.

It protects warehouse racks from damages by fork lifts. Distributing the power of a hit all over the area it protects a rack leg from damages. It enables to avoid accidents, which can result in damage to the rack structure and even a collapse. It is made from Ertax (plastic) characterized by extreme strength, and which is flexible as well. Hence, it can absorb even very heavy hits. Shape of the guard enables additional protection of rack's base since it is rounded at its bottom part. Interior of it is filled with polypropylene foam assuring additional amortization. It meets HACCP restrictive standards and it can be applied in the foodstuffs industry and the pharmaceutical industry. It is resistant to low temperatures, up to -60°C , and it can be applied in cold stores and freezers. The product meets international standards FEM 10.2.20. As4048. It fits most of racks available in the market.

Product of the Year 2014 in the category Equipment of Warehouse Halls

RACK SHIELD



Other modular systems



OTHER MODULAR SYSTEMS

Attempting to meet our clients' expectations we offer untypical solutions adjusted to individual needs. In case, when ready solutions are not sufficient, we offer our technical knowledge and a long-term experience in order to design innovative structures playing particular functions.

OTHER MODULAR SYSTEMS



STEEL PRODUCTS

BARRIERS // BOLLARDS // RACK GUARDS



BARRIERS



BOLLARDS



RACK GUARD



OTHER



Protective barrier (SIMPLE)



Barrier (SIMPLE ONE WITH A PLATE)

PROTECTIVE BARRIER

(SIMPLE)**MATERIAL**

High quality steel, galvanized, powder painted.

MODULE LENGTH

350 / 500 /
750 / 1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 4
expanding anchors.
M12/100 or
M12/120.

Protective barrier (simple) is intended to establish passageways, to protect machinery, structural columns, racks or to separate zones in the area of the industrial plants, warehouse halls, shopping malls or parkings. It is possible to order a barrier of any dimensions.

PROTECTIVE BARRIER (SIMPLE)

BARRIER

(SIMPLE ONE WITH A PLATE)**MATERIAL**

High quality steel, galvanized, powder painted.

MODULE LENGTH

350 / 500 / 750 /
1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 4
expanding anchors.
M12/100 or M12/120.

Barrier (simple one with a plate) is intended to protect places, which are highly exposed to damages, such as machinery, walls or racks, and to establish passageways in the area of warehouse halls, production plants, parkings and other. Due to use of a steel plate, the product in question protects locations very effectively. It is possible to order a barrier of any dimensions.

BARRIER (SIMPLE ONE WITH A PLATE)



BARRIER WITH FLEXIBLE BASES



BALUSTRADE

BARRIER**WITH FLEXIBLE BASES****MATERIAL**

Steel, bases made from plastics.

MODULE LENGTH

350 / 500 /
750 / 1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 cm

INSTALLATION

Easy and fast
erection by means
of 8 expanding
anchors.

Steel barrier on bases made from plastics, which amortizes the stroke power by deflecting by as many as 10 degrees to every direction. Due to an innovative fixing system, the barrier, when stroked, does not leave the base. It is designed to protect warehouse racks, walls, posts, machinery, passageways and other places exposed to collisions.

WITH FLEXIBLE BASES

BALUSTRADE**MATERIAL**

High quality steel, galvanized, powder painted.

MODULE LENGTH

500 / 750 / 1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 4
expanding anchors.
M12/100 or M12/120.

Balustrades is a perfect way to establish passageways, traffic zones, re-load stations, assuring safety of people and vehicles in the area of industrial centers, shopping malls, or parkings. It is possible to order a balustrade of any dimensions.

BALUSTRADE



MODULAR barrier



MODULAR barrier, taken out

MODULAR BARRIER

MATERIAL

Galvanized steel, powder painted.

MODULE LENGTH

1000 / 1200 /
1500 / 2000 mm

HEIGHT

500 / 1000 mm

INSTALLATION

By means of expanding anchors.

Intended to establish passageways, places, where a collision may take place such as doors, gates and passages, as well as to separate particular zones in the area of industrial zones, warehouse halls and other places characterized by a great traffic concentration. The modular system enables to couple particular elements and to erect lines of any length. The erection is easy and quick.

MODULAR BARRIER

MODULAR BARRIER, TAKEN OUT

MATERIAL

Galvanized steel, powder painted.

MODULE LENGTH

1000 / 1200 /
1500 / 2000 mm

HEIGHT

500 / 1000 mm

INSTALLATION

By means of expanding anchors.

Intended to establish passageways, places, where a collision may take place such as doors, gates and passages, as well as to separate particular zones in the area of industrial zones, warehouse halls and other places characterized by a great traffic concentration. The modular system enables to couple particular elements and to erect lines of any length. Additional hand rails may be de-mounted anytime, where an access to all protected place is necessary or when work stands need to be re-organized. The erection is easy and quick.

MODULAR BARRIER, TAKEN OUT



CORNER barrier



CORNER barrier WITH A PLATE



CORNER BARRIER

MATERIAL

High quality steel, galvanized, powder painted.

MODULE LENGTH

350 / 500 / 750 /
1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 12
expanding anchors
M16/140 or M12/140.

- intended to protect neuralgic places exposed to damages
- it protects corners of walls, racks and structural columns
- due to its structure it is uniquely resistant to strokes
- it is possible to order a barrier of any dimensions.

CORNER BARRIER

CORNER BARRIER WITH A PLATE

MATERIAL

High quality steel, galvanized, powder painted.

MODULE LENGTH

350 / 500 / 750 /
1000 mm

HEIGHT

500 / 700 / 1000 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 12
expanding anchors
M16/140 or M12/140.

- intended to protect neuralgic places exposed to damages
- it protects corners of walls, racks and structural columns
- due to its structure it is uniquely resistant to strokes
- it is possible to order a barrier of any dimensions.

CORNER BARRIER WITH A PLATE



FLOOR barriers



FLOOR BARRIERS

MATERIAL

High quality steel, galvanized, powder painted

MODULE LENGTH

350 / 500, 750 /
1000 mm

HEIGHT

86 / 118 / 169 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 4
expanding anchors
M12/100 or M12/120.

Floor barriers protect work stands, walls, machinery, structural columns, racks, pedestrian walks and other locations exposed to a collision risk. Thanks to a low structure, protected places are easily available. It is possible to order a barrier of any dimensions.

FLOOR BARRIERS



FLEX post



STEEL post

FLEX POST

MATERIAL

High quality steel, galvanized, powder painted, bases made from plastics.

HEIGHT

600 / 1200 mm

DIAMETER

159 mm

INSTALLATION

By means of 4 expanding anchors M12/100 lub M12/120.

Very innovative solution for places, which are exposed to collision to a large extent. A flexible post made from steel and polyurethane. During a stroke is deflects by 25 degrees and then it returns back to its primary form. It is a result of a dynamic structure which is a mixture of the steel and a plastic.

FLEX POST

STEEL POST

MATERIAL

High quality steel, galvanized, powder painted.

HEIGHT

500 / 800 /
1000 / 1200 mm

DIAMETER

76 / 108 / 159 mm

INSTALLATION

By means of 4 expanding anchors M14/110 lub M16/110.

Steel posts have a very wide range of applications. However, they work best when protect wall corners, as well as gates and machinery. They can also be applied in order to establish passageways. Mounted on parkings, in production halls, warehouses, shopping malls and sidewalks, they assure effective protection from effects of a collision.

STEEL POST



RACK GUARD



RACK GUARD WITH ROLLERS



RACK GUARD

MATERIAL

High quality steel, galvanized, powder painted.

| HEIGHT | WIDTH |
|--------|--------|
| 300 mm | 160 mm |

| DEPTH | THICKNESS |
|--------|-----------|
| 200 mm | 10 mm |

INSTALLATION

By means of 3 expanding anchors M16/145 equipped with additional rubber intended to amortize strokes $\varnothing 35/15$

Applied in order to protect warehouse racks from strokes of forklift trucks and other vehicles driving in the area of industrial centers and warehouse halls. They are used in places, when traffic rate is quite high and they are exposed to a serious risk of collisions. Streamlined shape assures maximal protection from damages, both, legs of racks and goods on pallets.

RACK GUARD

RACK GUARD WITH ROLLERS

MATERIAL

High quality steel, galvanized, powder painted.

| HEIGHT | WIDTH |
|--------|--------|
| 400 mm | 160 mm |

| THICKNESS | ROLLERS ON HEIGHT: |
|-----------|--------------------|
| 6 mm | 75 mm |

INSTALLATION

By means of 6 expanding anchors M12/120.

Applied in order to protect corners of racks from strokes produced by forklift trucks and other vehicles driving in the area of industrial centers and warehouse halls. It is equipped with practical rolls made from polyamide, which enable moving the pallets without any damages, protecting forklift trucks and racks from effects of a collision.

RACK GUARD WITH ROLLERS

POLYURETHANE SECTIONS*

LENGTH

Normally, sections of length 1 m and 5 m, or cut every one meter acc. to individual needs.

COLOURS

Black & yellow, per individual request fluorescent sections available.

INSTALLATION

By means of tape based on acrylic glue, or inserted ones.

Sections are intended to protect corners of walls, edges, low passages, sharp edges and other places exposed to damages. 15 varied shapes of sections exist. Polyurethane they are made from, due to its flexibility absorbs stroke power, protecting people, devices and areas from effects of strokes. Warning & protective colors make that neuralgic places are visible and a risk of collision goes down.

POLYURETHANE SECTIONS **Background image*

ANGLE SECTIONS

MATERIAL

Steel wrapped with rubber

LENGTH

900 mm

WIDTH

84 mm

COLOURS

Red-white / black & yellow

INSTALLATION

By means of expansion raw plugs

Angle sections - warning & protective ones, applied in warehouses, production halls, logistics centers and trade centers. Intended to protect corners of walls, edges, gates, racks, building facades and other places exposed to damages. Made from the steel wrapped by a rubber and therefore, they amortize power of strokes, protecting from their effects. Due to application of a florescent band, protected elements are more visible. To be applied both, indoors and outdoors.



ANGLE SECTIONS

SECTION IV

WARNING & PROTECTIVE SECTIONS

POLYURETHANE SECTIONS // ANGLE SECTIONS



TAPE BARRIER*

LENGTH

3000 / 4000 mm

HEIGHT

985 mm

COLOURS

red-white, black-yellow, yellow, red



It has a very extensive range of applications. It is designed to establish passageways, to separate places, which are temporarily excluded from use, to close passages, to fence off storage yards or places, where works are carried out. It can be fixed on a post and on a wall by means of special clips. It comes in a few warning colors assuring more effective marking and separation of such places.

*Background image

SCISSORS EXPANDING BARRIER

LENGTH

3600 / 4000 /
2x2000 / 2x8000 mm

HEIGHT

1000 mm

COLOURS

white-red, yellow-black



Intended to separate places, which are temporarily unavailable or hazardous, and to close passages and to establish passageways. It is equipment necessary in every single warehouse, production hall or logistics center. Effective solution in an emergency situation. Intensive colors warn against a hazard. The barrier can be folded, due to it nearly needs no space. It does not require fixing into the floor. The barriers are available in wall-mounted version, free standing ones or on wheels.

SCISSORS EXPANDING BARRIER

SECTION V

SAFETY PARTITIONS

TAPE BARRIER // SCISSORS BARRIER // MAGNETIC TAPE

WALL MOUNTED MAGNETIC TAPE

LENGTH **TAPE WIDTH**

3000 / 4000 mm 50 mm

COLOURS

black-yellow, white-red

Wall mounted magnetic tape is intended to close passages, separate hazardous places, which are temporarily unavailable since repairs or re-loading take place there. It is also helpful to separate zones or passageways. It is applied in public space, like in as shopping malls or airports, but also in production companies and in warehouse halls. The tape is placed in a cassette enabling unrolling it into three directions, and into any length. Sections of the tape can be coupled with each other by means of clips.



MAGNETIC TAPE



RE-LOADING STANDS

SEALING // GUIDES // FENDERS & GUARDS



SEALING



GUIDES



FENDERS & GUARDS



OTHER



APRON GASKETS

MATERIAL

Vinyl textile

EXTERNAL WIDTH

3400 mm

EXTERNAL HEIGHT

3400 mm

HEIGHT OF THE UPPER APRON

1000 mm

HEIGHT OF THE LOWER APRON

675 mm

Intended to reduce the heat loss and to protect from weather conditions during re-loading. They are mounted outdoors, within a re-loading station. Along with a gate it poses an entirety. In case of incorrect incursion the gasket returns into a frontage. It cooperates with a gate and re-loading devices, such as re-loading bridges, ramps, spring bridges, steel plates and aluminum plates. Due to application of steel ropes, which couple side aprons together, the sealing does not deflect under the wind. Made from 3 mm vinyl, it is strong, it does not require any maintenance and it does not deform itself.

APRON GASKETS

BRUSH SEALS FOR

DOORS, GATES, LOADING DOCKS

LENGTH

1000 mm

HEIGHT

15-162 mm

INSTALLATION

By means of rivets

Brush seals with varied length of hair, on an aluminum profile, perfect for application in sliding doors, gates and re-loading ramps. They seal and protect from dust and humidity and they protect from loud closing.

BRUSH SEALS



GUIDES OF WHEELS INTO RAMPS



GUIDES OF WHEELS INTO RAMPS

MATERIAL

ERTAX

LENGTH

1000-2000 mm

DIAMETER

210 mm

INSTALLATION

By means of 3 expanding anchors M30.

Mounted next to loading docks, they establish a track for large-dimensions vehicles, making the maneuvering process simpler. Since a vehicle is directed, time of loading and unloading is shorter and a risk of a collision goes down. Streamlined shape protects from damages to vehicle's wheels. Guides are made from Ertax plastic, which is extremely resistant to damages and, at the same time, it is very flexible. Dynamic fastening prevents tearing off anchors from the floor. The product is characterized by extreme resistance to stroking and weather conditions.

GUIDES OF WHEELS INTO RAMPS



RF700 guard



RUBBER guard

RF700 GUARD

MATERIAL

ERTAX

LENGTH

700 mm

DIAMETER

Ø 210 mm

INSTALLATION

By means of expanding anchors M20/120.

RF700 is tested to protect the loading bays from trucks impacts during the maneuver phases, this bumper solves the problems of the „CUT” oscillations which occur during the loading/ unloading phases. The single bumper is made of one vertical column in „ERTAX” high sliding plastic material and two supporting FE/Cromatin stainless brackets. The fixing with M20 guarantees a long life performance.

RUBBER GUARD

DIMENSIONS

| | |
|----------------|----------------|
| 75x435x75 mm | 200x500x100 mm |
| 260x310x100 mm | 250x500x140 mm |
| 200x450x100 mm | |

INSTALLATION

Mount on a wall by means of two raw plugs.

Rubber guard is a must have element in case of loading stations, ramps and warehouse gates. It protects vehicles and a building facade from damages occurring as a result of strokes, which take place during a loading process. Due to its serious mass, resistance to abrasion and, at the same time, great flexibility, it absorbs energy and it does not deflect. It is resistant to weather conditions. It is recommended to apply at least two guards for a single re-loading station.



MOBILE BUMPER FOR GATES



BEARER FOR TIR'S SEMI-TRAILER

MOBILE BUMPER FOR GATES

LENGTH AT THE BASIS

500 mm

WIDTH AT THE BASIS

200 mm

OVERALL HEIGHT

165 mm

INSTALLATION

Mount on a wall By means of expanding anchors M16.

Intended to protect gates, ramps and re-loading docks. It plays a significant role at the time of goods reloading. Docking vehicle may freely rest on the bumper, which, due to the rubber structure, absorbs the power of the stroke. Additionally, the bumper is equipped with a slide & spring structure enabling sliding it up and down by 20 cm. As an effect it enables adjustment of the height of a bumper to a height and a structure of a truck.

MOBILE BUMPER FOR GATES

BEARER FOR TIR'S SEMI-TRAILER

PNEUMATIC TIRES

Ø 380 mm

ADJUSTABLE HEIGHT OF SUPPORT

1025-1344 mm

BASE SLAB

470x425 mm

Stabilizes position of the vehicle during a re-loading and protects it from moving or deflecting resulting from weight of a load. It assures safety of a team taking place in the re-loading job. It eliminates a risk of damage to a vehicle and goods. It stands a load equal as much as 40 tons. It has the TÜV certificate.

BEARER FOR TIR'S SEMIA-TRAILER



SECTION VII

ROAD AND INDUSTRIAL MIRRORS

ROAD // INDUSTRIAL



ROAD



INDUSTRIAL



ROAD MIRROR



FREEZE RESISTANT ROAD MIRROR



ROAD MIRROR

RECTANGULAR

400x600 / 600x800 / 800 / 1000 /
1000x1200 mm

ROUND

Ø 600 / Ø 800 mm

INSTALLATION

By means of an attached grip equipped with a ball articulated joint standing a wind up to 120 km/h.

Applied in locations with a disturbed view, such as intersections, tunnels, exits from real estates, production companies or parkings. It assures safety of traffic since it reflects pictures perfectly well. Round and square items available. A frame with a reflective foil makes that the mirror is visible at night as well. It has a seal preventing penetration by water (under the mirror). Made from steel, polycarbonate or acrylate, which is 70% stronger than the glass. Consequently, a mirror is very resistant to breaking, scratching or dents. Additionally, acrylate and polycarbonate mirrors do not fade away. Hence, they are great long-term solutions. It has the TÜV certificate.

ROAD MIRROR

FREEZE RESISTANT ROAD MIRROR

RECTANGULAR

400x600 / 600x800 / 800x1000 mm

ROUND

Ø 600 / Ø 800 mm

INSTALLATION

By means of an attached grip equipped with a ball articulated joint standing a wind up to 120 km/h.

It works perfectly when weather conditions are very severe. Due to the nanotechnology the mirror neither freezes nor steams. It does not require connecting to the electric grid. Applied in locations with a disturbed view, such as intersections, tunnels, exits from real estates, production companies or parkings. It assures safety of traffic since it reflects pictures perfectly well. Round and square items available. A frame with a reflective foil makes that the mirror is visible at night as well. It has a seal preventing penetration by water (under the mirror). Made from steel, polycarbonate or acrylate, which is 70% stronger than the glass. Consequently, a mirror is very resistant to breaking, scratching or dents. Additionally, acrylate and polycarbonate mirrors do not fade away. Hence, they are great long-term solutions. It has the TÜV certificate.

FREEZE RESISTANT ROAD MIRROR



CHECK MIRROR



CHECK POINT MIRROR

CHECK MIRROR

LENGTH

300x500 / 400x600 / 600x900 mm

INSTALLATION

To the wall using the attached bracket.

A rectangular mirror intended to supervise production lines. Due to a bent panel it zooms in a picture enabling in this way accurate tracking of production and liquidation of errors. It provides a perfect reflection of a picture. It must be mounted in a 1 m distance from an observation point. It enables reduction of loss caused by production mistakes. Due to the Check Mirror, a line can be controlled by a single person. Intended for indoors use. It has the TÜV certificate.

LUSTRO CHECK MIRROR

CHECK POINT MIRROR

LENGTH

300x500 / 400x600 / 600x900 mm

INSTALLATION

To be selected - three mounting solutions, on a wall and on a post

Intended to observe hazardous places at production lines, distant working stands and so called dead spots. It enhances safety of work, it decreases no. of accidents and loss caused by production errors. Frame made entirely from black and yellow ABS plastic. Panel of the mirror is made from acrylic, which is 70% stronger than the glass. Consequently, the mirror is exceptionally resistant to breaking, scratching and dents. Moreover, acrylic does not fade way so this is a long-term solution. Intended for indoors use. It has the TÜV certificate.

CHECK POINT MIRROR



INOX INDUSTRIAL MIRROR



NON-FRAGMENTING MIRROR

INOX INDUSTRIAL MIRROR

RECTANGULAR

450x600 mm

ROUND

Ø 600 mm

INSTALLATION

Mount on a wall using the attached bracket.

Steel industrial mirror, resistant to the temp. up to 350°C, intended to control hazardous places at production lines, work stands and so called dead spots. Due to the steel the mirror does not corrode and it is resistant to chemicals. It can be applied in the foodstuffs industry and the pharmaceutical industry. Equipped with the PVC frame, which can be dismantled easily. It can be applied indoors and outdoors. It has the TÜV certificate.

INOX MIRROR

NON-FRAGMENTING MIRROR

RECTANGULAR

300x400 / 300x1000 / 400x600 / 500x1000 / 600x800 / 750x1000 mm

INSTALLATION

Mounted to a wall or a ceiling.

An ideal solution for the foodstuffs industry and the pharmaceutical industry, as well as in schools, on playgrounds and in stores. The mirror made from the acrylic, which is resistant to breaking, scratching and dents. If the mirror is broken, it disintegrates into large parts which can be detected by means of a metal detector. The mirror panel is placed in an aluminum frame. Intended for indoors use. It has the TÜV certificate.

NON-FRAGMENTING MIRROR



90° MIRROR



180° MIRROR



Lustro 360°

MIRRORS

90° / 180° / 360°

MIRROR 90°

500 / 600 / 800 / 900 / 1000 / 1250 mm

MIRROR 180°

600 / 800 / 900 / 1000 mm

MIRROR 360°

500 / 600 / 800 / 900 / 1000 / 1250 mm

INSTALLATION

Direct to the ceiling or with a chain, which must be purchased separately.

Panoramic mirrors are perfect and inexpensive solutions for stores and shopping malls. They enable observing commercial areas, where they can be placed above racks or store paths. They provide a wide vision angle and reflect picture perfectly well. Optionally from the polycarbonate or the acrylate, 70% stronger than the glass. Consequently, a mirror is very resistant to breaking, scratching or dents. Additionally, acrylic mirrors and polycarbonate mirrors do not fade away and consequently, they do not require frequent replacement. Intended for indoors use. It has the TÜV certificate.

MIRRORS 90° / 180° / 360°

SPRAY PAINT

TRAFFIC**AVAILABLE COLOURS OF TRAFFIC SPRAY PAINT**

white, black, grey, yellow, red, blue, green

AVAILABLE COLOURS OF EXTRA TRAFFIC SPRAY PAINT

white, yellow



Traffic spray paint is based on synthetic resins, quickly drying, resistant to external factors and abrasion. It is particularly helpful in places such as warehouse halls and production halls, shopping malls, parkings, playgrounds and other public places. The paint can be applied by a tool called Perfect Striper, intended to paint a line or by means of grip enabling application of the paint on a template. Also Traffic Extra paint, of extended strength, and a Traffic Protector lacquer can be purchased in order to provide additional protection from the abrasion.

PERFECT STRIPER*

The device intended to establish passageways or to paint horizontal marks/symbols on area of warehouse halls, production factories, parkings, playgrounds and other municipal areas. It enables very accurate marking of a line. It is equipped with a handle enabling effective operation, an arrow showing a direction, and a wind protecting shield enabling working outdoors. A handle for side marking enables painting a line alongside a wall. By means of special templates it is possible to carry out horizontal marks, marks of storage yards and other ones. The device works perfectly well in case new markings are made and when previous ones are refreshed. It is recommended to apply the Traffic paint, based on synthetic resins, easy to install in a dispensing tank of the device.

*Background image

SECTION VIII

ESTABLISHING OF PASSAGEWAYS

TRAFFIC PAINT // PERFECT STRIPER





SECTION X

PREPARATION

HYDRONANOTEC

Hydronanotec®

Revolutionary hydrophobic and oleophobic preparation. The nanotechnology makes, on protected areas, a hydrophobic layer repelling water and other contaminations, and it protects from corrosion, ice, humidity and mold.

Hydronanotec has an extensive spectrum of applications, from the industry and production to protection of buildings' facade.

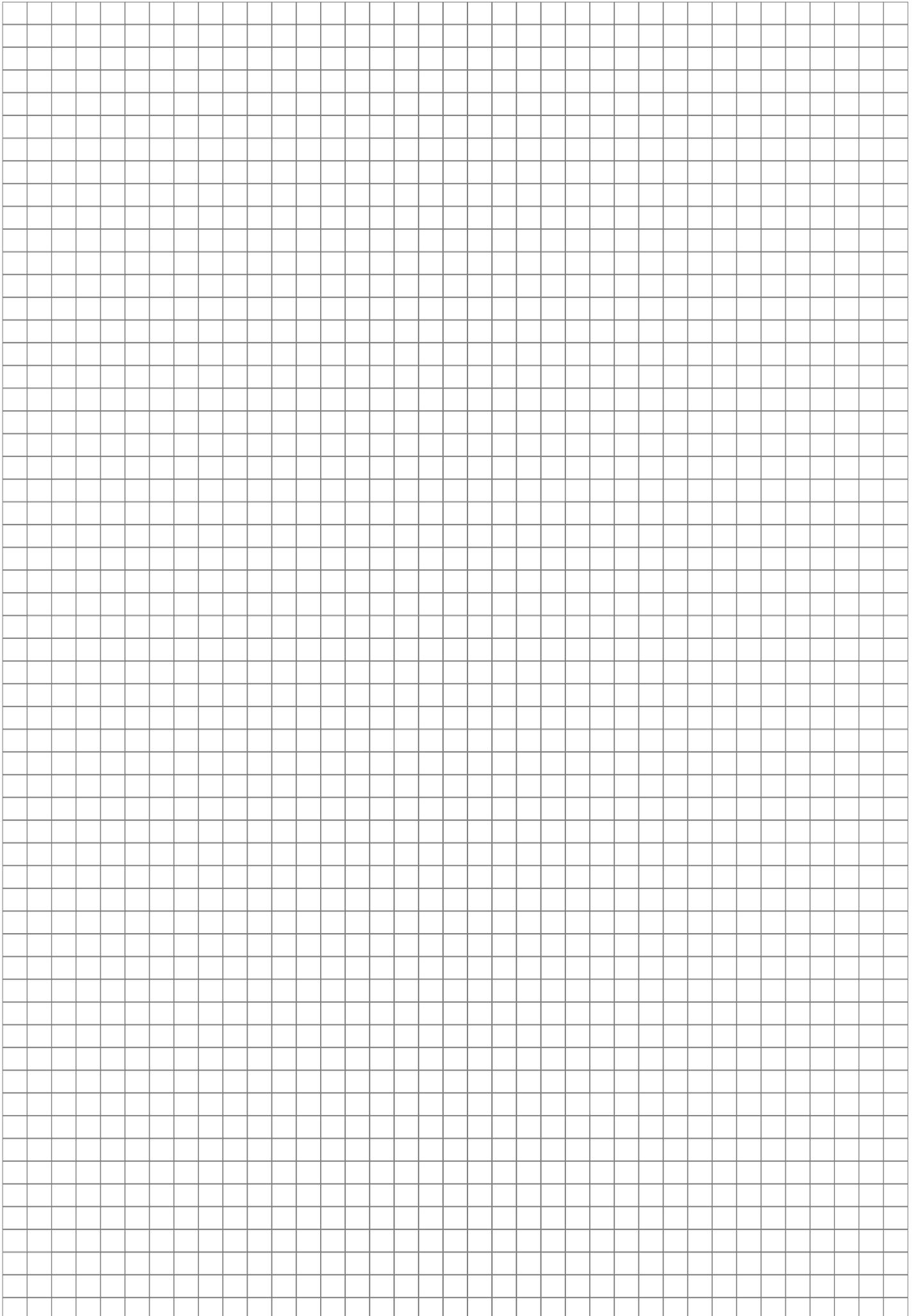
The preparation can be applied, among others, in production plants, where maintenance of operation is of crucial meaning. It reduces downtimes of the production line since impregnated machinery and tapes do not require such a frequent maintenance and cleaning. It enables to reduce costs generated by downtimes of production.

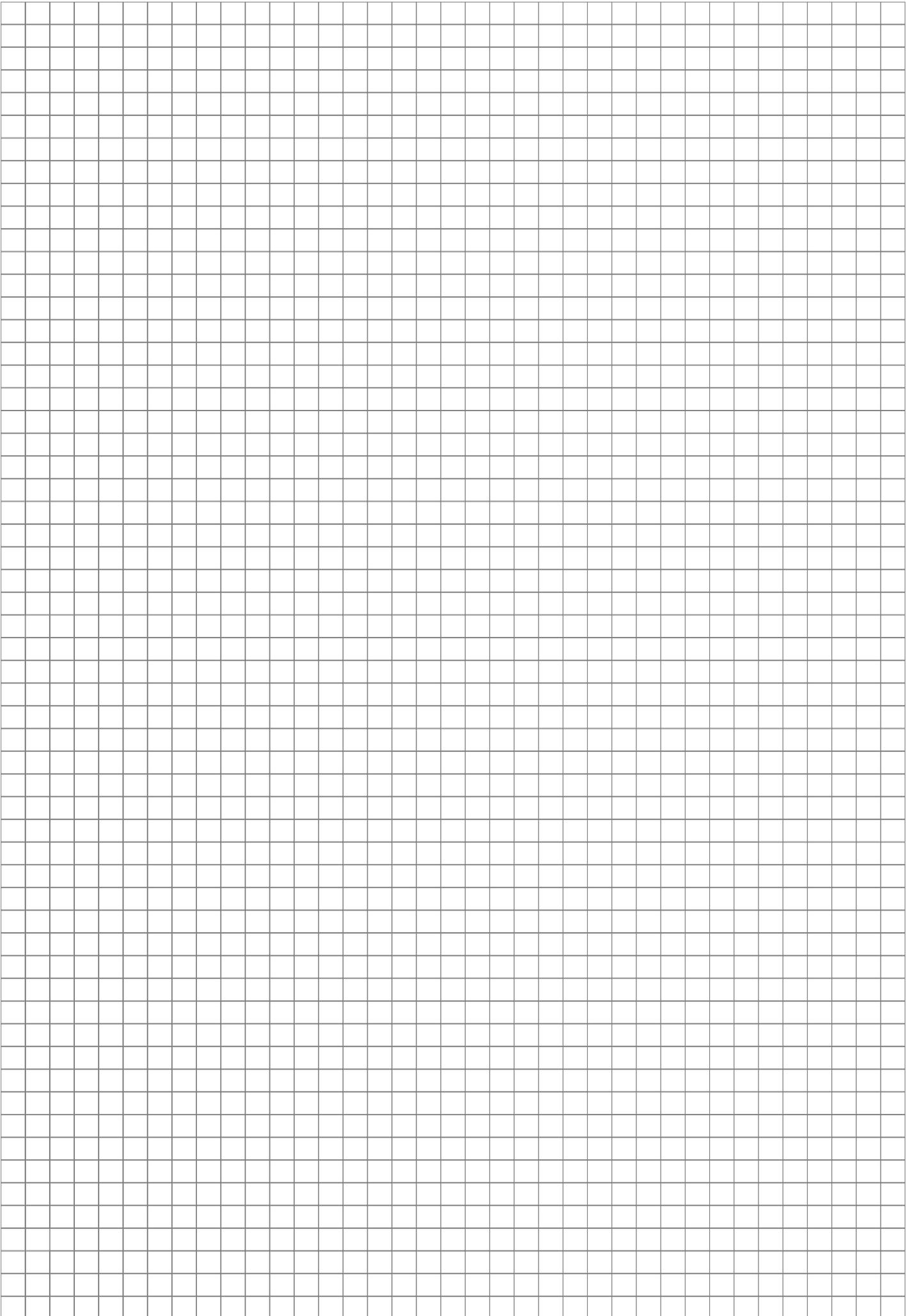
It is intended to impregnate working clothes, in particular, gloves and shoes, which do not get dirty and do not soak wet after it has been applied.

It protects car bodies and motorbike bodies, production machinery, buildings' facades, clothes and other areas exposed to dirt.

The preparation is resistant to low and high temp., from -70°C up to 150°C , which enables applying it in extreme conditions, either, indoors and outdoors, where it stands up to two months. It protects outdoor installations from freezing and ice, it makes repairing them and maintaining simple.

The agent does not conduct the electric current, it is resistant to the abrasion. It suits every material available in the market such as steel, plastics, wood, textiles and other.





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