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ANRO TIME LINE



Anna and Stefan Rotarscy start screen printing family business - ANRO.

1985



1996

New production department is bringing to life - flexography.

1999
Moving to a new location providing safe and ergonomic working conditions.



2004

We take part in foreign fairs as exhibitors for the first time: in Kiev - Fire-Tech Extreme-Tech; and one year later in Hannover INTERSCHUTZ and Düsseldorf A+A.

2008
We are present in Lockout Tagout segment - from the creation of safety procedures, implementing lockout system to control audits.



2012

Years of experience with large-format printing give rise to the birth of professional printing studio PROOFanacja - thanks to modern machinery, projects can be printed on different materials.

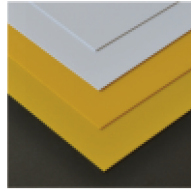
2013
80-person team working on the area of 1400 m² creates ANRO.
We are a leading manufacturer of safety signs, as well as OSH and fire protection signage in Poland.



MATERIALS

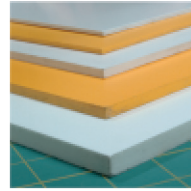
RIGID PVC PVC

Recommended use:
Outdoor and indoor printing
media on rigid substrates.



FOAMED PVC PVCS

Recommended use:
Light print on increased rigidity
substrates for outdoor use. Can be
used for medium and large boards
installed on building facades,
fences and other stable structures.



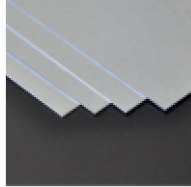
SELF - ADHESIVE FOIL F

Recommended use:
Small size signs for indoor use.



ALUMINIUM SHEET A AL

Recommended use:
High physical resistance outdoor
signs and boards.



ZINC - COATED, POWDER PAINTED STEEL SHEET

Recommended use:
Material for safety signs,
road signs and information boards.



MAGNETIC FOIL F FM

Recommended use:
Temporary signs to be placed
on ferrous metal substrates.



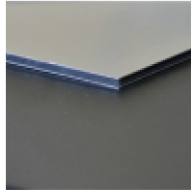
PRIPLAK (polypropylene) PR

Recommended use:
Machinery lockout tags, inspection
tags for ladders and scaffolding; the
material is highly flexible in positive
temperatures. Durable material for
labels - also for outdoor use.



DIBOND - COMPOSITE MATERIAL

Recommended use:
Highly aesthetic outdoor
printing and billboards exposed
to atmospheric conditions.
The material is characterised
with very high stiffness.



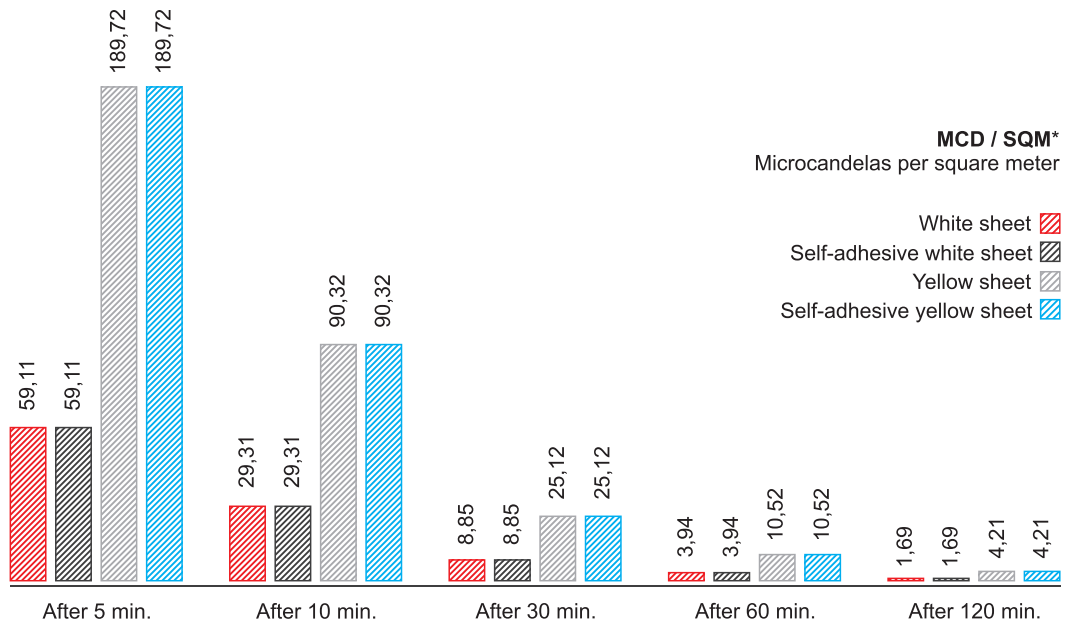
PHOTOLUMINESCENT MATERIALS PLA PSA PL PLS FS PT PS LP AL

Recommended use:
Evacuation and fire safety signs according to international standards as well as evacuation plans.
ANRO uses photoluminescent materials and photoluminescent print technology to manufacture
standard signs. Using screen printing with photoluminescent ink we can manufacture most typical
evacuation, fire and work safety signs in an economical way. We combine this printing technology
with materials such as self-adhesive foil, foamed and hard PVC sheets or aluminium sheets and others.



LUMINANCE DIAGRAMS

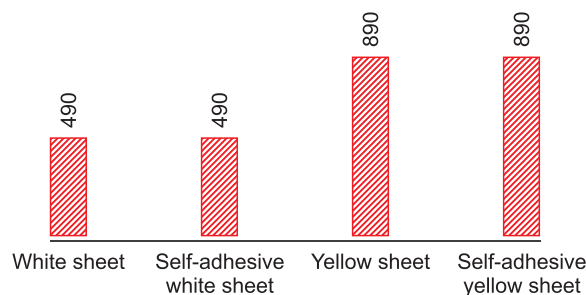
**PARAMETERS OF PHOTOLUMINESCENT SIGNS
ON THE MATERIALS OFFERED BY ANRO (IN MCD / SQM)**



Photoluminescent parameters presented on the bar chart above show the duration of light emission in time. Luminous intensity (presented in microcandelas per square meter – mcd/sqm) is the crucial parameter which shall be taken into consideration while planning evacuation routes, because various exposition areas have different light access.

The candela (symbol: cd) is the SI base unit of luminous intensity; that is, power emitted by a light source in a particular direction. A common candle emits light with a luminous intensity of roughly one candela. If emission in some directions is blocked by an opaque barrier, the emission would still be approximately one candela in the directions that are not obscured.

**DURATION UP TO THE VALUE
OF 0.32 MCD / SQM (IN MINUTES)**



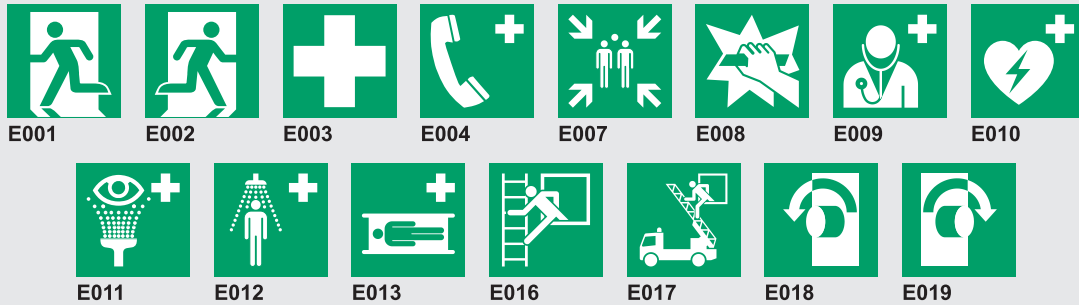
Bar chart above presents the duration of light emission up to 0.32 mcd/sqm (distinctive light emission) in minutes. Thanks to these data you can easily predict how long a sign will emit light in real conditions.

ISO 7010 SIGNS

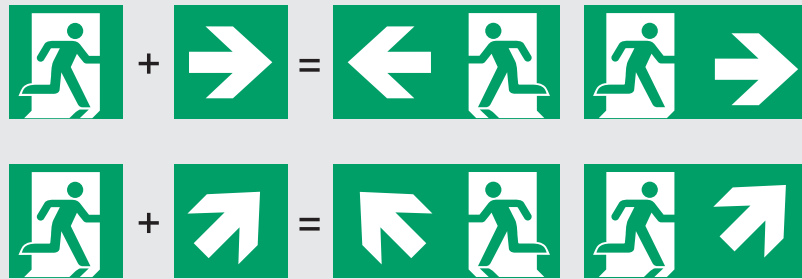
FIRE PROTECTION SIGNS ISO 7010



EVACUATION SIGNS ISO 7010



MIX SIGNS



Supplementary arrow sign (type D of ISO 3864-3) in white on green to be used to give directional information (direction examples, the arrows may be rotated in increments of 45°). You can mix signs according to examples above.

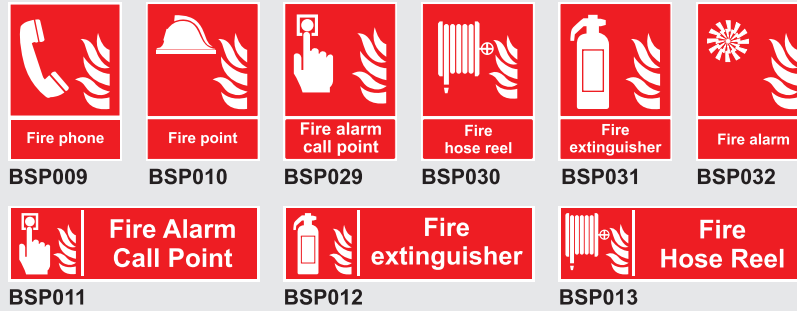
SIGN SIZES	MATERIALS		CONTACT US
Fire protection signs Evacuation signs 150x150 / 200x200	Photoluminescent Materials	PLA White plate PSA White plate, self-adhesive PL Yellow plate PLS Yellow plate, self-adhesive	anro-safety.com info@anro-safety.com +48 32 6724248
Other sizes according to customer requirements	Photoluminescent Printing	FS Self-adhesive foil PT Hard plate-PVC PS Self-adhesive hard plate-PVC LP Self-adhesive plate LUX AL Aluminium	
	Standard Materials	F Self-adhesive foil P Hard plate-PVC A Aluminium PVCS Foamed PVC	

Fire protection signs: F001 Fire extinguisher / F002 Fire hose reel / F003 Fire ladder / F004 Collection of firefighting equipment / F005 Fire alarm call point / F006 Fire emergency telephone

Evacuation signs: E001 Emergency exit (left hand) / E002 Emergency exit (right hand) / E003 First aid / E004 Emergency telephone / E007 Evacuation assembly point / E008 Break to obtain access / E009 Doctor / E010 Automated external heart defibrillator / E011 Eyewash station / E012 Safety shower / E013 Stretcher / E016 Emergency window with escape ladder / E017 Rescue window / E018 Turn anticlockwise to open / E019 Turn clockwise to open

BS 5499 SIGNS

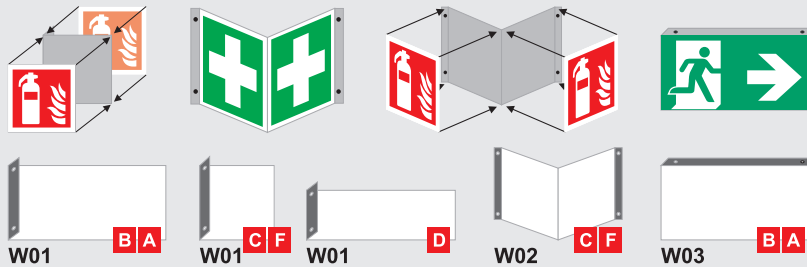
FIRE PROTECTION SIGNS BS 5499



FIRE EXIT SIGNS BS 5499



DIMENSIONAL SIGNS

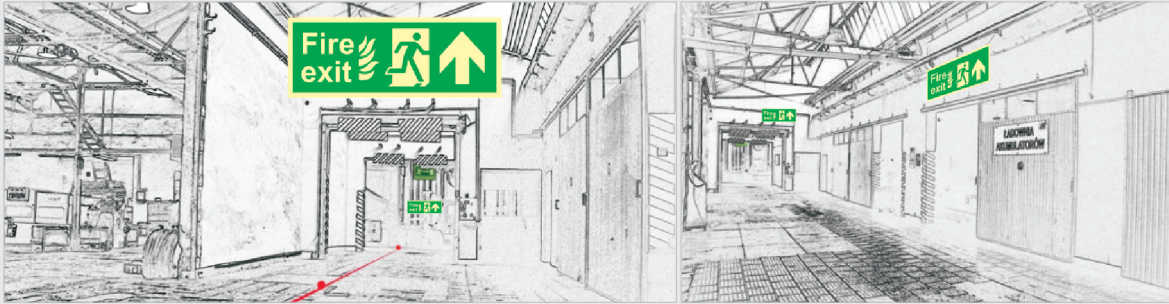


Dimensional signs constitute a very functional way to present work and fire safety, as well as evacuation signs. These products are usually made of **aluminium or PVC sheets**. To order a dimensional sign, please choose its version (W01, W02, W03) and a suitable pictogram.

SIGN SIZES	MATERIALS		CONTACT US
All sizes according to customer requirements	Photoluminescent Materials	PLA White plate PSA White plate, self-adhesive PL Yellow plate PLS Yellow plate, self-adhesive	anro-safety.com info@anro-safety.com +48 32 6724248
Signboards	Photoluminescent Printing	FS Self-adhesive foil PT Hard plate-PVC PS Self-adhesive hard plate-PVC LP Self-adhesive plate LUX AL Aluminium	
A 150x300 D 100x300 B 200x400 E 100x200 C 200x200 F 150x150	Standard Materials	F Self-adhesive foil P Hard plate-PVC A Aluminium PVCS Foamed PVC	

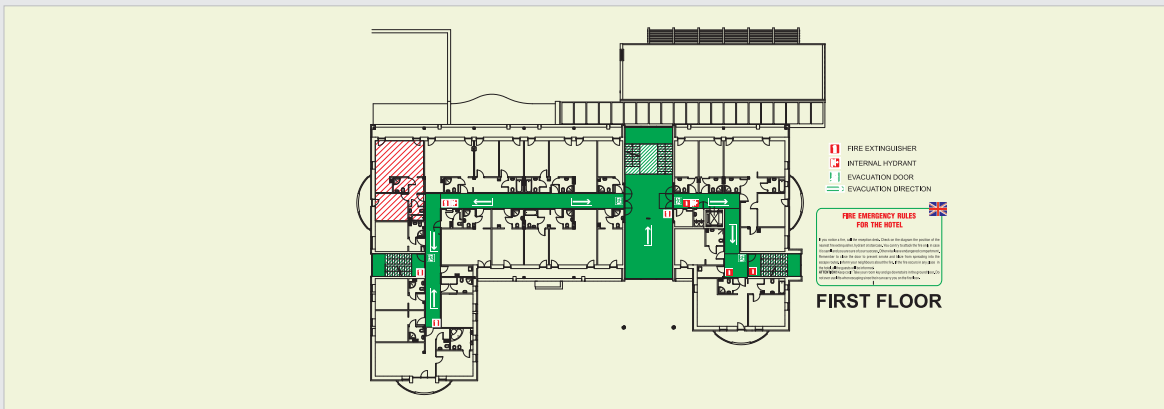
CUSTOM SIGNS

LARGE FORMAT SIGNS



Large format signs are appropriate for use in large industrial facilities and production halls. Such solutions facilitate the evacuation. Our large format signs are produced on 5 mm PVC in normal version and are also available with photoluminescent overprints.

EMERGENCY EVACUATION PLANS



ANRO specializes in printing evacuation plans for buildings. Evacuation plans in particular show evacuation routes and exits, location of fire-fighting equipment and layout of rooms in building.

PERSONALISED SIGNS



Personalised signs are also available in ANRO's offer! (Please choose your material and size). We design and print individually every project in accordance to customer's specification.

SIGN SIZES	MATERIALS	CONTACT US
All sizes of signage according to customer requirements	Standard Materials	anro-safety.com info@anro-safety.com +48 32 6724248
	Other materials according to customer requirements	

ISO 7010 SIGNS

PROHIBITION SIGNS ISO 7010



SIGN SIZES	MATERIALS	CONTACT US								
All sizes according to customer requirements	Standard Materials <table style="display: inline-table; vertical-align: middle; margin-left: 10px;"> <tr> <td style="background-color: red; color: white; padding: 2px;">F</td> <td style="padding: 2px;">Self-adhesive foil</td> <td style="background-color: red; color: white; padding: 2px;">P</td> <td style="padding: 2px;">Hard plate-PVC</td> </tr> <tr> <td style="background-color: red; color: white; padding: 2px;">A</td> <td style="padding: 2px;">Aluminium</td> <td style="background-color: red; color: white; padding: 2px;">PVCS</td> <td style="padding: 2px;">Foamed PVC</td> </tr> </table>	F	Self-adhesive foil	P	Hard plate-PVC	A	Aluminium	PVCS	Foamed PVC	anro-safety.com info@anro-safety.com +48 32 6724248
	F	Self-adhesive foil	P	Hard plate-PVC						
A	Aluminium	PVCS	Foamed PVC							
Other materials according to customer requirements										

Prohibition signs: P001 General prohibition sign / P002 No smoking / P003 No open flame; Fire, open ignition source and smoking prohibited / P004 No thoroughfare / P005 Not drinking water / P006 No access for forklift trucks and other industrial vehicles / P007 No access for people with active implanted cardiac devices / P008 No metallic articles or watches / P010 Do not touch / P011 Do not extinguish with water / P012 No heavy load / P013 No activated mobile phone / P014 No access for people with metallic implants / P015 No reaching in / P017 No pushing / P018 No sitting / P019 No stepping on surface / P020 Do not use lift in the event of fire / P021 No dogs / P022 No eating or drinking / P023 Do not obstruct / P024 Do not walk or stand here / P025 Do not use this incomplete scaffold / P026 Do not use this device in a bathtub, shower or water-filled reservoir / P027 Do not use this lift for people / P028 Do not wear gloves / P029 No photography / P030 Do not tie knots in rope / P031 Do not alter the state of the switch / P032 Do not use for face grinding / P033 Do not use for wet grinding / P034 Do not use with hand-held grinding machine

ISO 7010 SIGNS

MANDATORY SIGNS ISO 7010



GHS SIGNS

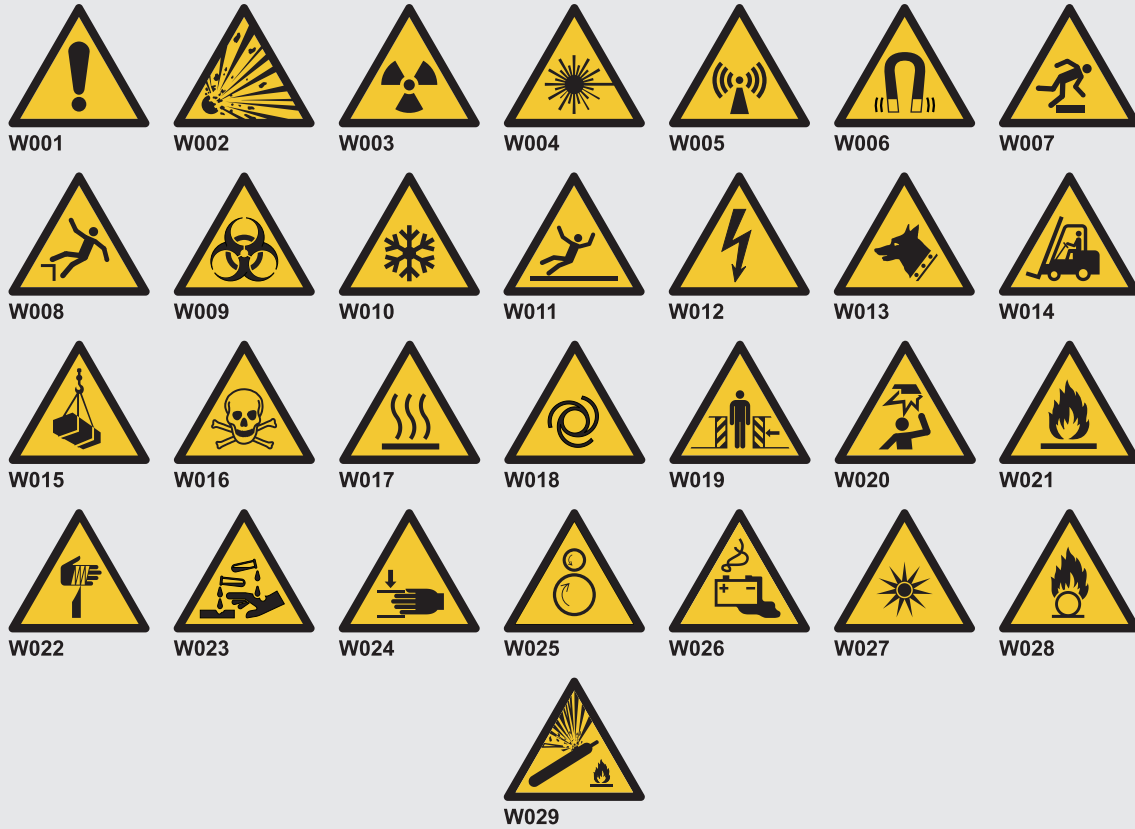


SIGN SIZES	MATERIALS	CONTACT US
All sizes according to customer requirements	Standard F Self-adhesive foil P Hard plate-PVC Materials A Aluminium PVCS Foamed PVC	anro-safety.com info@anro-safety.com +48 32 6724248
	Other materials according to customer requirements	

Mandatory signs: M001 General mandatory action sign / M002 Refer to instruction manual/booklet / M003 Wear ear protection / M004 Wear eye protection / M005 Connect an earth terminal to the ground / M006 Disconnect main plug from electrical outlet / M007 Opaque eye protection must be worn / M008 Wear safety footwear / M009 Wear protective gloves / M010 Wear protective clothing / M011 Wash your hands / M012 Use handrail / M013 Wear a face shield / M014 Wear head protection / M015 Wear high-visibility clothing / M016 Wear a mask / M017 Wear respiratory protection / M018 Wear a safety harness / M019 Wear a welding mask / M020 Wear safety belts / M021 Disconnect before carrying out maintenance or repair / M022 Use barrier cream / M023 Use footbridge / M024 Use this walkway / M025 Protect infants' eyes with opaque eye protection / M026 Use protective apron

ISO 7010 SIGNS

WARNING SIGNS ISO 7010



FLOOR SIGNS







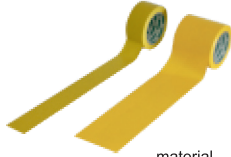
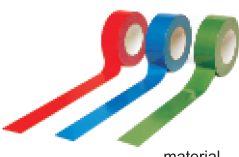
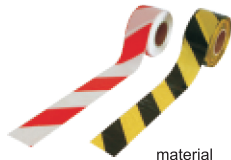


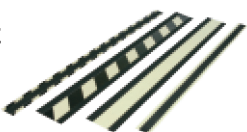


ANRO offers functional floor signs made of robust self-adhesive foil covered with a special protective material (with optional anti-slipping feature) which additionally protects pictograms against abrasion. We can also make any project tailored to customers needs.

SIGN SIZES	MATERIALS	CONTACT US								
All sizes according to customer requirements	Standard Materials <table style="display: inline-table; vertical-align: middle;"> <tr> <td style="background-color: #ff0000; color: white; padding: 2px;">F</td> <td style="padding: 2px;">Self-adhesive foil</td> <td style="background-color: #ff0000; color: white; padding: 2px;">P</td> <td style="padding: 2px;">Hard plate-PVC</td> </tr> <tr> <td style="background-color: #ff0000; color: white; padding: 2px;">A</td> <td style="padding: 2px;">Aluminium</td> <td style="background-color: #ff0000; color: white; padding: 2px;">PVCS</td> <td style="padding: 2px;">Foamed PVC</td> </tr> </table>	F	Self-adhesive foil	P	Hard plate-PVC	A	Aluminium	PVCS	Foamed PVC	anro-safety.com info@anro-safety.com +48 32 6724248
	F	Self-adhesive foil	P	Hard plate-PVC						
A	Aluminium	PVCS	Foamed PVC							
Other materials according to customer requirements										

W001 General warning sign / **W002** Warning: Explosive material / **W003** Warning: Radioactive material or ionizing radiation / **W004** Warning: Laser beam / **W005** Warning: Non-ionizing radiation / **W006** Warning: Magnetic field / **W007** Warning: Floor-level obstacle / **W008** Warning: Drop (fall) / **W009** Warning: Biological hazard / **W010** Warning: Low temperature / freezing conditions / **W011** Warning: Slippery surface / **W012** Warning: Electricity / **W013** Warning: Guard dog / **W014** Warning: Forklift trucks and other industrial vehicles / **W015** Warning: Overhead load / **W016** Warning: Toxic material / **W017** Warning: Hot surface / **W018** Warning: Automatic start-up / **W019** Warning: Crushing / **W020** Warning: Overhead obstacle / **W021** Warning: Flammable material / **W022** Warning: Sharp element / **W023** Warning: Corrosive substance / **W024** Warning: Crushing of hands / **W025** Warning: Counterrotating rollers / **W026** Warning: Battery charging / **W027** Warning: Optical radiation / **W028** Warning: Oxidizing substance / **W029** Warning: Pressurized cylinder

WARNING TAPES

<p>SELF - ADHESIVE TAPE BLACK / YELLOW TF01</p>  <p>width x lenght 5cm/10m 5cm/1m 10cm/10m 10cm/1m</p> <p>material FS FL</p>	<p>SELF - ADHESIVE TAPE WHITE / RED TF02</p>  <p>width x lenght 5cm/1m 10cm/1m</p> <p>material FS FO FLA</p>
<p>SELF - ADHESIVE PHOTOLUMINESCENT TAPE TF03</p>  <p>width x lenght 5cm/10m 10cm/10m</p> <p>material FL</p>	<p>SELF - ADHESIVE PHOTOLUMINESCENT TAPE TF04</p>  <p>width x lenght 5cm/1m 10cm/1m</p> <p>material FL</p>
<p>WARNING SELF - ADHESIVE TAPE BLACK / YELLOW TS01</p>  <p>width x lenght 5cm/33m 10cm/33m</p> <p>material FS</p>	<p>WARNING SELF - ADHESIVE TAPE WHITE / RED TS02</p>  <p>width x lenght 5cm/33m 10cm/33m</p> <p>material FS</p>
<p>WARNING SELF - ADHESIVE TAPE YELLOW TS03</p>  <p>width x lenght 5cm/33m 10cm/33m</p> <p>material FS</p>	<p>WARNING SELF - ADHESIVE TAPE TS04</p>  <p>width x lenght 5cm/33m</p> <p>material FS</p>
<p>BORDERING TAPE TO01</p>  <p>width x lenght 8cm/100m 8cm/250m 8cm/500m</p> <p>material FZ</p>	<p>REFLECTIVE TAPE BLACK / YELLOW TS05</p>  <p>width x lenght 5cm/1m 10cm/1m</p> <p>material FO</p>
<p>ANTI - SKID TAPE TA01</p>  <p>width x lenght 2,5cm/1m 5cm/1m</p> <p>material FS</p>	<p>ANTI - SKID PHOTOLUMINESCENT TAPE TAF</p>  <p>width x lenght 5cm/1m 10cm/1m</p> <p>material FL</p>

FS Self-adhesive foil
FO Reflective foil

FL Photoluminescent foil (yellow)
FLA Photoluminescent foil (white)

FZ PVC foil

Warning tapes are made of self-adhesive foil - photoluminescent as well - and are available in various lengths and widths. These are very useful to mark long communication paths, corridors and staircases. In our offer you can find anti-skid tapes which are easy to apply on concrete or ceramic surfaces. Photoluminescent tapes are also available.



Properly implemented Lockout Tagout system can reduce the risk of accidents by providing information on disconnecting the power supply of industrial equipment and machinery undergoing overhauls. Every type of energy can be potentially dangerous if released suddenly during overhaul or maintenance work. Lockout Tagout system is designed to prevent accidents and reduce associated costs. One of the basic duties of an employer in the field of occupational health and safety is the reduction or complete elimination of hazards. European OHS requirements are determined by the EU Directive 89/655. Lockout system with visible signs in the form of Tagout tags is used to eliminate the risks of uncontrolled release of energy (mechanical, chemical and electrical). These products act as a warning and protection for machine operators. ANRO offers a wide range of industrial security locks for use in Lockout systems which includes:

- Locks for hydraulic, pneumatic and electrical energy sources,
- Lockout stations that can be used in production lines,
- Tags made of PRIPLAK (polypropylene),

We are also able to prepare high quality customized signage and prints, frequently used with other Lockout system components:

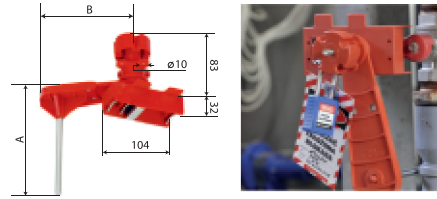
- Procedure tables: designed to show specific rules of Lockout Tagout system in particular workplace, division or plant.
- Lockout safety instructions: a practical, easy to read guide about basic Lockout system rules and properly conducted repair or maintenance works.

LOCKOUT TAGOUT

MECHANICAL LOCKS

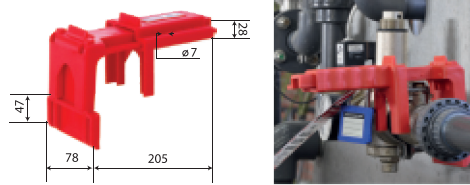
UNIVERSAL VALVE LOCKOUT 34M 36M

Constructed from super tough nylon and stainless steel to avoid corrosion. Designed to lock out quarter turn valves of various sizes and geometric handle dimensions (round, square or flat). Valves can also be locked in the ON or throttled positions for non-lockout applications.



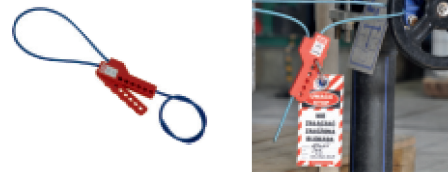
BALL VALVE LOCKOUT 31M

Easy to use lockout clamp for valve levers to prevent the valve operation. Resistant to extreme weather and temperature conditions. The following lockouts can lock the small size valves in open or closed positions. Available in three different sizes.



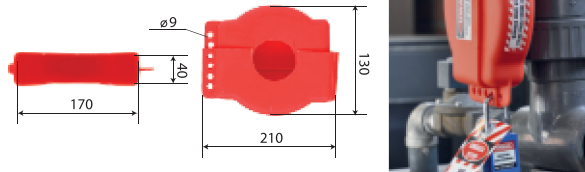
SQUEEZER MULTIPURPOSE CABLE LOCKOUT 23M

This cable lockout has been ergonomically designed to fit easily in a palm, facilitating its application and use. Normally supplied with 1 meter cable – customized lengths can be supplied according to individual order.



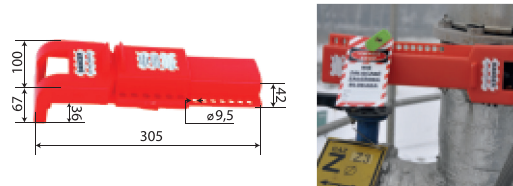
ADJUSTABLE GATE VALVE LOCKOUT 29M

Flexible adjustable lockout fits to gate valves from 2.5 to 16.5 cm. It covers and rotate freely around a valve handwheel. Made of durable polypropylene, it features compact size and is easy to carry.



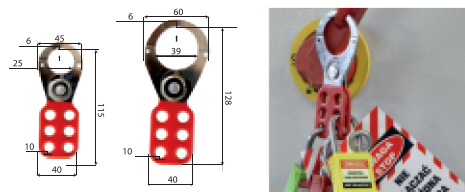
BUTTERFLY VALVE LOCKOUT 33M

Available in a single universal size, this lockout is designed to lock all kinds of butterfly valves. Highly resistant to solvent and other chemical products, suitable for outdoor applications.



SHACKLES / LOCKOUT HASPS

A single energy source can be locked by several contractor padlocks made of high quality steel, with vinyl or powder coating. Available with different shackle sizes and padlock clamp diameters.



TAGOUTS

These tags provide clear visual information and can be used to label all places and devices switching off machinery power sources. Tagout tags can also be used to mark all machines currently undergoing maintenance or overhaul, which cannot be operated unless the label is removed. Tagout labels are mainly printed on polypropylene – a material resistant to water, oil, grease and harsh atmospheric conditions.



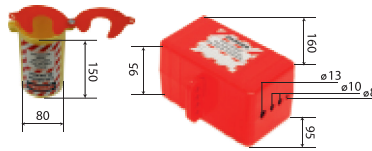
Contact us: anro-safety.com / info@anro-safety.com / +48 32 6724248

LOCKOUT TAGOUT

ELECTRICAL LOCKOUTS

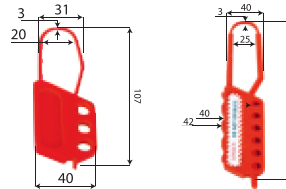
PLUG LOCKOUT BOX 45E

Designed for locking different kinds of plugs which are commonly used in industry, dedicated for voltages of up to 380V.



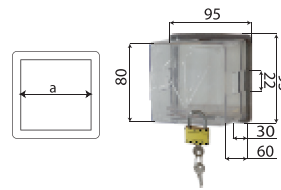
ECONOMICAL ELECTRICAL LOCKOUT 47E 49E

Made of non-conductive material (nylon), with high voltage insulation. Available with 3 or 6 mm shackles.



PANEL SWITCH LOCKOUT 60E

Safe and efficient method of locking switches on control panels.



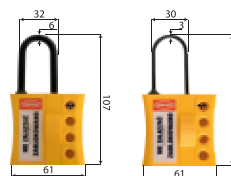
CIRCUIT BREAKER 65E

Easy to apply electric switch lockout. Made of high quality polypropylene, available in different sizes.



DIELECTRIC SWITCH 69E

Lockout clamp designed to implement four padlocks. Made of high quality non-conductive material, available with 3 or 6 mm shackle size.



PLUG COVER LOCKOUT

Suitable for plugs up to 450 mm, made with high quality material, designed to implement up to 4 padlocks.



INSPECTION TAGS

Special tags for scaffolding and machinery inspection. These polypropylene tags are very durable. ANRO offers inspection labels as well.



Contact us: anro-safety.com / info@anro-safety.com / +48 32 6724248

LOCKOUT TAGOUT

LOCKOUT PADLOCKS

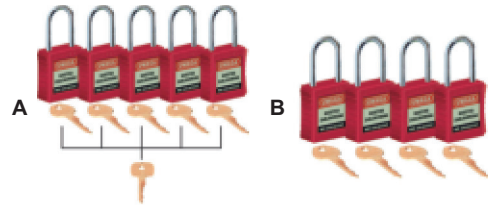
DIELECTRIC PADLOCKS 70A

Padlocks with non conducting shackle specially designed to work with electricity, with high voltage insulation.



LOCKOUT PADLOCK

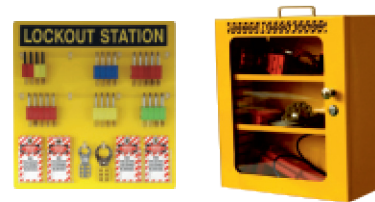
We sell up to 250 pieces per order (variant A) with different keys and 1 masterkey or (variant B) with different keys. All padlocks are available in following colours: red, blue, yellow, green, black, orange.



ADDITIONAL ACCESORIES

LOCKOUT STATION 84A 93A

Functional lockout station made of metal with high density glass, providing high visibility in industrial conditions.



LOCKOUT BAGS 95A 97A

Lockout bags are an excellent solution for storing and transporting lockout system equipment. Made of high quality nylon with wire framing around top edges to keep bag open when use. The bag is fitted with a shoulder strap. Available in three versions: small, medium or large.



Lockout tags (tagout) made of hard PVC plate or PRIPLAK (polypropylene) ensure high visibility of detailed information; usually used with lockout padlocks.

LOCKOUT SIGNAGE

LOCKOUT SIGNS



We can print any graphical signs and lockout tags tailored to customer requirements. All sizes of signage in accordance to customer requirements.



PRINTING TECHNOLOGIES IN ANRO



Screen printing

Screen printing is the first – and supported with experience from the very beginning of the company's operation – printing method employed by us. High quality of print on nearly every substrate (paper, foil, aluminium, PVC, wood and other) and rich colour saturation thanks to screen printing inks allow to create any types of signs. We can use halftone printing as well.



Flexo printing

Thanks to 17 years of experience in flexography, we can print Roll-to-Roll labels. Creativity of our designers, multifunctional machines and various types of materials allow us to create labels "with honours".



Large-format / UV printing

We can create an unique project and print it out in photographic quality thanks to innovative machines used in our own printing studio. Virtual images can be transferred into reality on every flat material and UV technology guarantees resistance against atmospheric conditions and mechanical damage.



ANRO

ul. Siewierska 196c
42-431 Zawiercie
Poland

+48 32 6724248
anro-safety.com
info@anro-safety.com

