

# Security Products & Indicators



loss prevention technologies  
**SILTECH**<sup>®</sup>

# OUR TEAM

# ABOUT US

**Stefan Lang**  
General Manager

Tel.: + 49 (0) 4321-602 29 0  
Mobile: +49 (0) 160-90734381  
sl@sil-tech.de

**Manfred Engel**  
Deputy General Manager

Tel. + 49 (0) 4321-602 29 11  
Mobile: + 49 (0) 170-7727012  
me@sil-tech.de

**Oksana Vogt**  
Sales Administration & Customer Service

Tel.: + 49 (0) 4321-602 29 22  
ov@sil-tech.de

AMO SILTech GmbH was founded in 1999 and represents Siltech Group in Germany and Europe.

Siltech Group manufactures security seals, seal labels and security bags and employs more than 130 employees. The worldwide activities are enhanced by a network with more than 40 agents.

The company is working at the development and application of security and loss prevention technologies based on the modern sealing and indication systems.

From our long term experience we know that security products can only work efficiently if they are a part of the integrated system.

Therefore AMO SILTech offers not only security products but also product relevant consulting and professional help in developing and setting up the requested security concepts to reach maximum effect.

All our security products are unique sequential numbered/ bar-coded and can be easily customized.

# SEAL LABELS (SKS)



Numbered seal labels SKS give visual evidence of tampering with different objects: packaging, cartons and plastic boxes, cases, doors, lockers, vehicles, sensitive equipment, office equipment, restricted areas, etc. and perform as unique marking and identification devices.

Any tampering with the object is easily defined visually: a clear "OPENED! БСКРБИТО!" security message and the trade mark "SILtech СИЛТЭК" appear when the SKS is taken off. This message will remain and does not allow re-sealing. Also SKS can be supplied with UV and thermochrome. Any tampering with SKS by means of alcohol or disolvent becomes evident due to absence of fluorescent thermochromic pattern. Any tampering with SKS by means of thermal interference becomes evident due to developing pattern of a black colour.



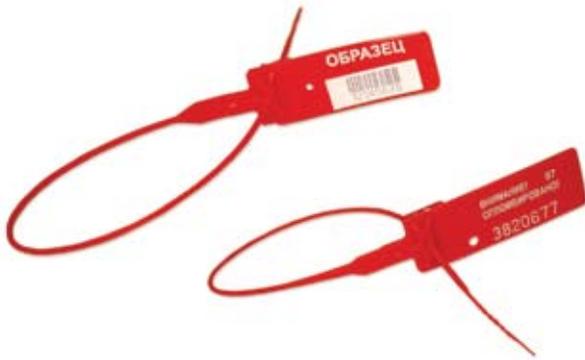
Seal labels were developed to:

- give visual evidence of tempering or illegal entrance to the objects
- protect from falsifications
- certify the originality of the contents
- protect from dekitting, exchange and reuse
- provide an excellent visual theft deterrent

## TECHNICAL INFORMATION:

Colours available	red	blue
Characteristics	remain heavy residue	no residue
Material	polyester film with matt surface	
Size, mm	10x40, 20x63, 27x85, 20x100	
Security message	"OPENED! БСКРБИТО" and the trade mark "SILtech СИЛТЭК"	
Colour of marking	white, black	
Sequential numbering	7 or 9-figures or alphanumeric combination under 1000 pieces	
Logo		
Possibility to write with regular ball pen	possible	
Temperature of applying, °C	not lower than +5	
Temperature of use, °C	from -40 up to +85	
Shelf life	12 months	
Packaging	2000 (10x40), 1000 (20x63, 27x85), 500 (20x100) seals in a reel	

## ALFA-M2



Alfa-M2 seal is an adjustable seal with a round smooth tail, 2 mm diameter. To prevent tampering, this security seal houses the metal insert welded into the locking chamber. There is an additional hole on the seal's flag to fix the spare part of the seal's tail or to apply additional tag. The seals are produced in blocks of ten pieces. The Alfa-M2 seal is ideal to seal the stock-houses, emergency doors, safety boxes etc. Other applications are also possible, when the sealing holes are over 2 mm diameter.

### TECHNICAL INFORMATION:

Material	Polypropylene, metal insert
Overall length, mm	342
Working length, mm	255
Round smooth tail, diameter, mm	2
Flag, mm	20x56(printing area - 12x25)
Standard colors	red, green, blue, yellow
Temperature application	from -20 to +60 – standard modification
Printing	Heat stamped with company name, numbering, white field for barcode with further laser printing of barcode on white field (for any colors)
Packaging	1000 pieces in carton
Carton dimension, mm	550x220x150
Carton weight, kg	2.9

## AKULA-M



Akula-M is a high security seal. Akula-M is an adjustable plastic strap seal for use on a wide range of applications, but specially designed for cash bags. To prevent tampering, this high security seal houses the metal insert welded into the locking chamber. The seals are produced in blocks of ten pieces.

### TECHNICAL INFORMATION:

Material	Polypropylene, metal insert
Overall length, mm	428
Working length, mm	345
Tail width, mm	7,8
Flag, mm	20x56 (printing area – 12x25)
Standard colors	red, green, blue, yellow, white
Temperature	from -20 to +60 – standard modification
Tensile strength in loop, kg	>40
Printing	Heat stamped with company name and white field for barcode with further laser printing of barcode on white field (for any colors)
Packaging	1000 pieces in carton
Carton dimension, mm	550x250x220
Carton weight, kg	6.1



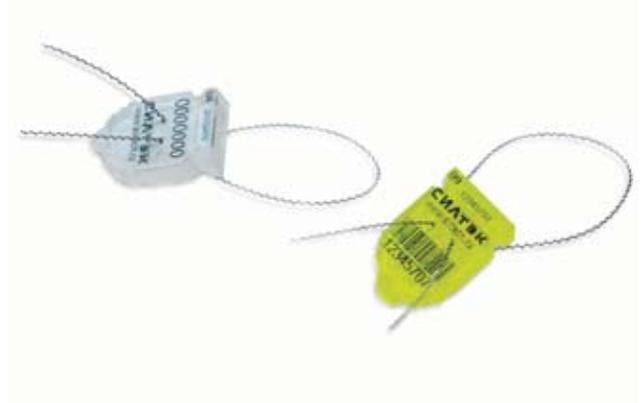
Plastic numbered security seal Siltech is a new product at the security seals market. The seal was developed in order to meet all specific requirements of the wire security seals, applicable in energetic, metrology, community services, transport and other sectors aimed at sealing measuring and metric devices (electro, gaz, water meters), transforming stations, service rooms etc.

Construction of the seal excludes its repeated demounting and mounting without leaving any visual traces of temper- evidence.

Clear and securely lasered number excludes fraud and substitution of the seals' parts.

Usage of polycarbonate for production of the seal's mechanism together with the usage of appropriate wire provide secure sealing of the objects for the period up to 10 years.

Original seal's construction provides its easy (without special devices) mounting in the rooms with the poor lightning and limited space.



## TECHNICAL INFORMATION:

Material	polycarbonate
Sizes, mm	34x16,5x7,5 (not closed) 26x16,5x7,5 (closed)
Colour	colorless transparent, yellow transparent, red transparent
Sequential numbering	7 alphanumeric symbols (2 letters and 5 digits), continuous numbering irrespective of customer's logo from 2000 pieces
Customizing	laser
Type of marking	laser
Application temperature range, °C	from -40 up to +80
Clamping force, kg-force	not more than 7
Mounting	manually with wrapped wire diameter 0,65 - 0,8 mm
Demounting	with the help of scissors or wire cutter
Service life time of the locking mechanism	not less then 10 years
Packing	2000 pieces per carton box (20 small boxes with 100 pieces in each in box, in blocks of 10 pieces
Size of the box 100 pieces, mm	215x85x45
Size of the box 2000 pieces, mm	430x230x185
Weight of the box 2000 pieces, Netto, not more than, kg	4,4
Weight of the box 2000 pieces, Brutto, not more than, kg	5,5

# PF-SEAL



PF-SEAL is an indicative bag security seal with simple pull up design for speedy application. PF-seal contains no metal inserts - the seal is recyclable. Its big flag gives a good possibility for labeling additional information such as contents of the bag, batch number, address etc.

## TECHNICAL INFORMATION:

Material	Polypropylen
Flag's sizes	50 x 80 mm
Working length	204 mm
Legth	405 mm
Wide of the tail	7 mm
Tensile strength	Approx. 170 N
Operational temperature	-20°C +50°C

# SNAPPER



SNAPPER is a high security plastic coated metal bolt seal, being widely used not only by sea, land, railway, air transportation companies, also for security purpose in supermarkets, stock houses and petrol companies.

Snapper can be easily closed manually but requires bolt cutters to be taken off.

Obtains the following features:

1. Brightly coloured for high visibility in all conditions
2. Plastic coating protects bolt from corrosion
3. Serial numbers lasered on both body and bolt for higher security
4. Patented locking mechanism offers extra protection
5. C-TPAT compliant high security seal

## TECHNICAL INFORMATION:

Material	Steel covered with ABC-Plastic
Bolt's length	82,5 mm
Working length	37 mm
Bolt's diameter	10,5 mm
Tensile strength	1300 kgs (12,8 kN)
Shear strength	2400 kgs (23,5 kN)
Bending strength	approx. 70,6 Nm
Impact strength	approx. 40,7 J
Numbering	up to 12-digits numbering is possible, 6 digits bar-code is possible on some colours
Logo	from 1.000 pieces
Colours	yellow, other colours are available by request
Packaging	250 pieces per box

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AMO SILTech GmbH

Havelstraße 7  
D-24539 Neumünster

Tel.: + 49 (0) 4321-602 29 0  
Fax.: + 49 (0) 4321-602 29 29

[www.sil-tech.de](http://www.sil-tech.de)  
[info@sil-tech.de](mailto:info@sil-tech.de)

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