Sealing Products

We reserve the right to make changes in the dimensions and technical data products due to their continuous improvement

About the System

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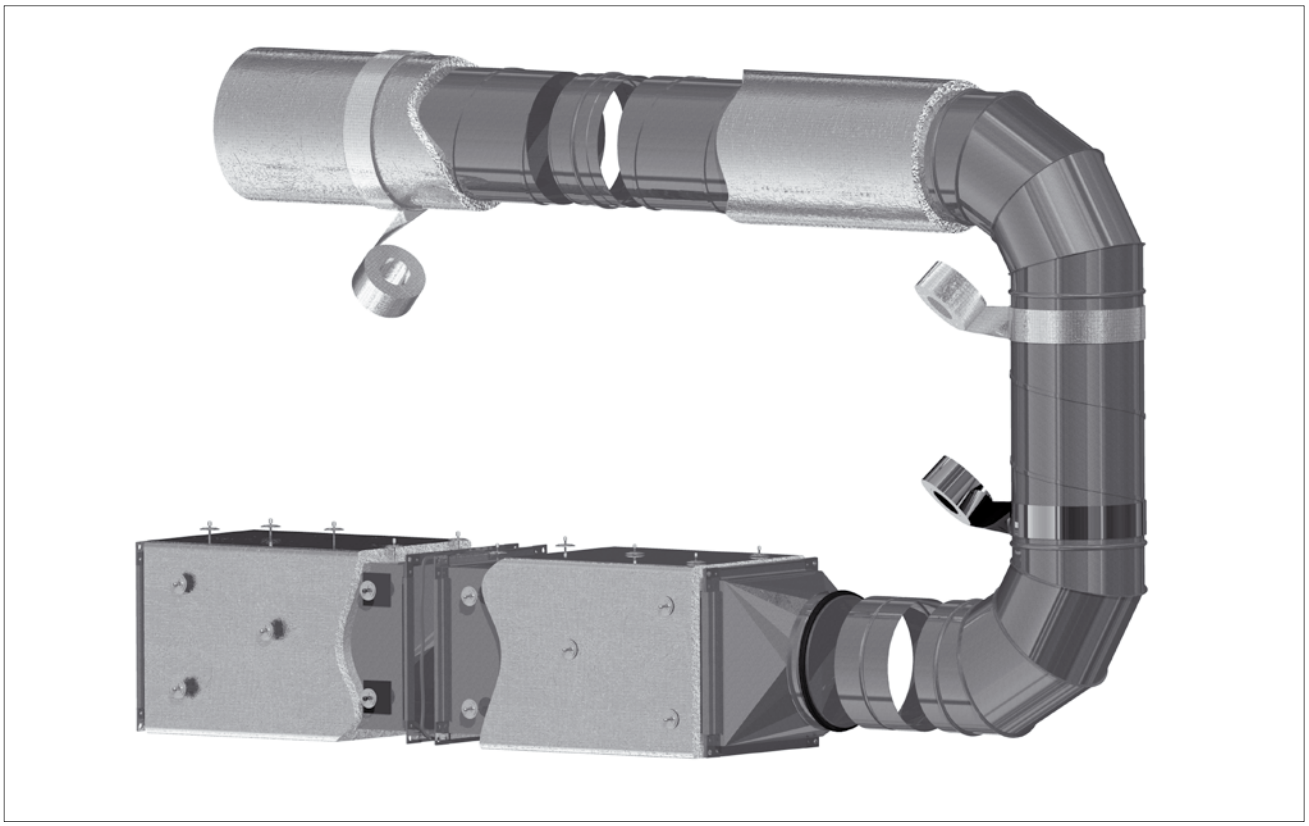

About the System

The sealing components serve as a complement to ventilation ductwork. They are intended to increase the air tightness of the ventilation system to levels acceptable and required for a particular project.

Dimensions

All the values are based on the tables and information provided in a product's catalogue datasheet.

Installation Guide

The aluminium sealing tapes are applied directly to degreased metal sheet, which is wrapped up two or three times at connection points.

Benefits of Use

Sealing sealing tapes or silicones help increase the air tightness of the ventilation system already after it has been installed. Easy use and the selection of materials matching the characteristics of ducts also provide an attractive appearance. For high-temperature sealing sealing tapes, it is important that the air tightness of the system is ensured, even in ventilation cap applications.

Labelling

ALNOR products are furnished with the construction industry's B sign and product codes according to their technical specifications contained in this catalogue.

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TAL

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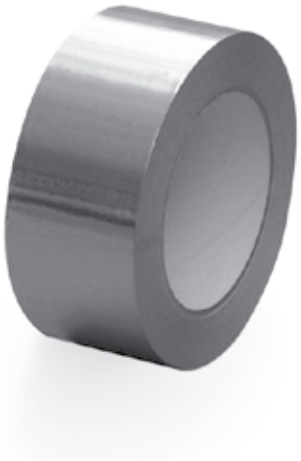


Description

Aluminium sealing tape with a thickness of 30 microns. Used at joining points of round ducts and fittings, and in flexible ducts.

Temperature resistances depend on the type of tape and are shown in the table.

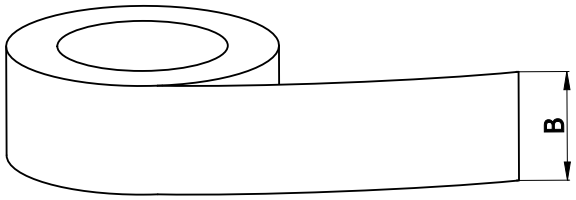
Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification

Product code: **TAL 50 - 50**

type
width
length

Dimensions



Code	width B [mm]	length [mb]	packaging [pcs]	temp [°C]
TAL-50-50	50	50	24	80
TAL-75-50	75	50	16	80
TAL-100-50	100	50	12	80
TAL-50-10	50	10	272	80

thickness of 30 microns

Code	width B [mm]	length [mb]	packaging [pcs]	temp [°C]
TAL-50-50	50	50	24	80
TAL-75-50	75	50	16	80

thickness of 40 microns

Code	width B [mm]	length [mb]	packaging [pcs]	temp [°C]
TAL-15 50-50	50	50	24	150
TAL-15 75-50	75	50	16	150
TAL-15 100-50	100	50	12	150

thickness of 30 microns

Code	width B [mm]	length [mb]	packaging [pcs]	temp [°C]
TAL-25 50-50	50	50	24	250
TAL-25 75-50	75	50	16	250
TAL-25 100-50	100	50	12	250
TAL-25-50-10	50	10	72	250

thickness of 30 microns

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High-temperature aluminium tape
TALK

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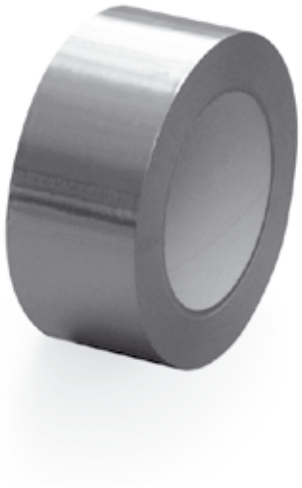


Description

Aluminium sealing tape with a thickness of 30 microns. With its high temperature resistance, it can be used in ventilation cap application

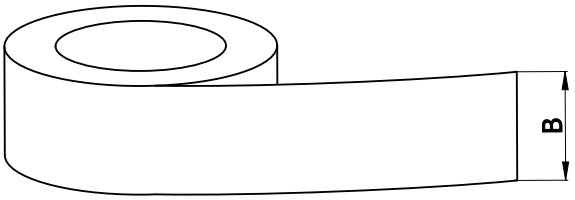
Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification

Product code: **TALK 50 - 50**

type
width
length

Dimensions



Code	*width B [mm]*	*length [mb]*	*packaging [pcs]*	*temp [°C]*
TALK 50-50	50	50	24	350
TALK 50-10	50	10	16	350

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Reinforced Aluminium Tape
TALE

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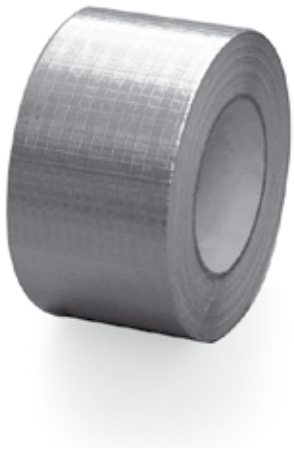


Description

Aluminium sealing tape with a thickness of 30 microns. With its squared glass fibre mesh, it shows an increased tensile strength. It is so structured that it can be used to join technical insulation with the aluminium cover.

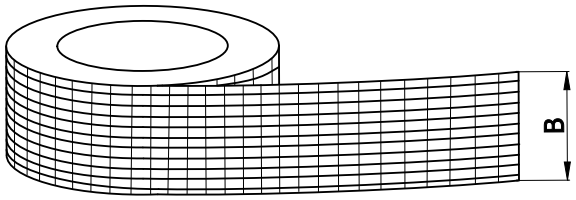
Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification

Product code: **TALE 50 - 50**

type
width
length

Dimensions



Code	*width B [mm]*	*length [mb]*	*packaging [pcs]*	*temp [°C]*
TALE 50-50	50	50	24	80
TALE 75-50	75	50	16	80
TALE 100-50	100	50	12	80

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Reinforced Aluminium Tape

TLV

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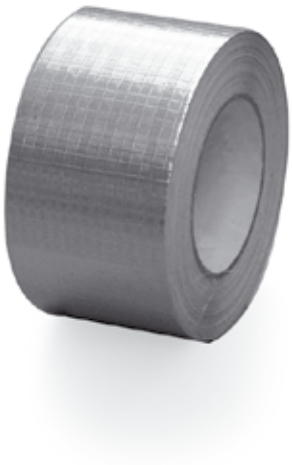
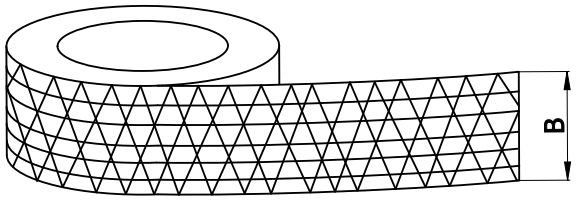


Dimensions



Code	width B [mm]	length [mb]	packaging [pcs]	temp [°C]
TLV 50-50	50	50	24	80
TLV 75-50	75	50	16	80
TLV 100-50	100	50	12	80

Description

Aluminium sealing tape with a thickness of 30 microns. With its rhombus glass fibre mesh, it shows an increased strength.

Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification

Product code: **TLV 50 - 50**

type
width
length

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Sealing tape

DUCT

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Description

50m rolls

Type of glue: natural rubber

Waterproof fabric-reinforced tape

Tape width: 0,20 mm

Temperature resistance: −0°C to +60°C

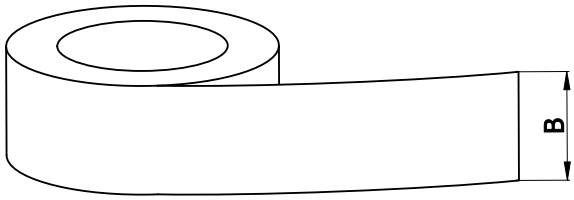
Adhesiveness: 4(N/25mm)

Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification
Product code: **DUCT - aaa**

type
B

Dimensions



Code	*width B [mm]*	*length [mb]*	*packaging [pcs]*	*temp [°C]*
DUCT 50-50	50	50	24	60

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Sealing tape

MET

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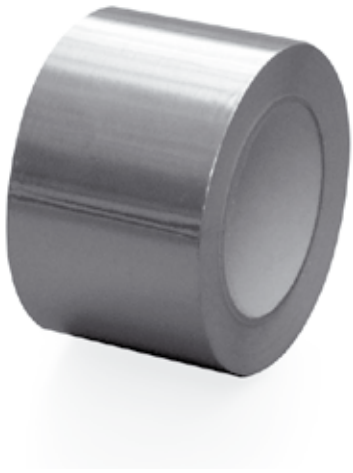


Description

50m rolls

Type of material: metallised PP film

Type of glue: acryl

Tape width: 0,05mm

Temperature resistance: −0°C to +80°C

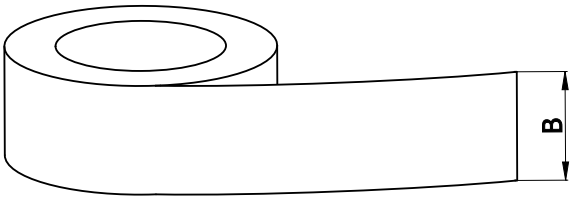
Adhesiveness: 5,6 (N/25mm)

Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification
Product code: **MET - aaa**

type
B

Dimensions



Code	*width B [mm]*	*length [mb]*	*packaging [pcs]*	*temp [°C]*
MET 50-50	50	50	24	80
MET 75-50	75	50	16	80

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Tape PVC

TAPV

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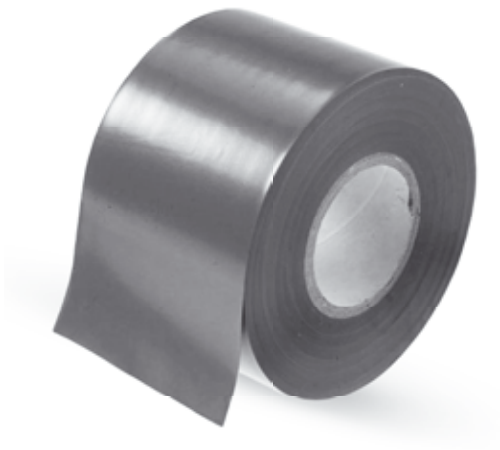


Description

Sealing tape made of 20 μ thick PVC with one side covered with synthetic rubber based glue. It is used for connections of channels and round shapes and for flexible ducts. It protects efficiently channels and shapes against humidity and weather conditions. The tape ensures durable and efficient sealing. .

Available length versions: 10m, 20 m, 33 m.
Temperature range of application: -10°C up to +80°C
Minimal temperature of c oating: +10°C

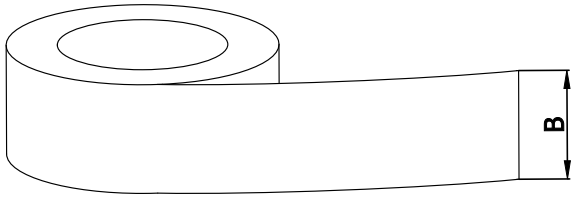
Note: For tapes retained their adhesive properties should be kept at about 21°C and should not exceeding 50%. It must be protected from sunlight.

Example identification

Product code: **TAPV 50 - 33**

type
widht
lenght

Dimensions



Code	widht [mm]	lenght [mb]	packing [pcs]	max temp. [°C]
TAPV 50-10	50	10	24	80
TAPV 75-10	75	10	16	80
TAPV 100-10	100	10	12	80

Code	widht [mm]	lenght [mb]	packing [pcs]	max temp. [°C]
TAPV 50-20	50	20	24	80
TAPV 75-20	75	20	16	80
TAPV 100-20	100	20	12	80

Code	widht [mm]	lenght [mb]	packing [pcs]	max temp. [°C]
TAPV 50-33	50	33	24	80
TAPV 75-33	75	33	16	80
TAPV 100-33	100	33	12	80

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Self-adhesive nails

GWS

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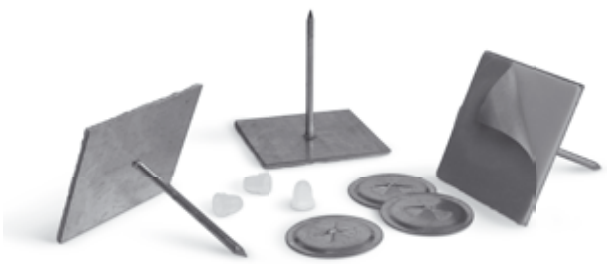


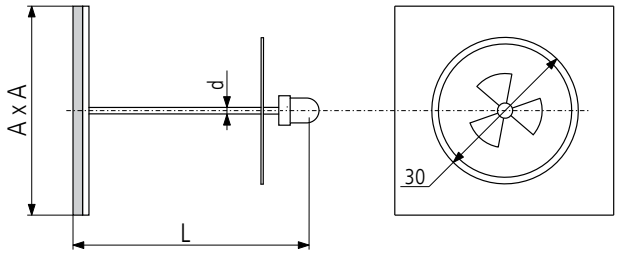
Description

They are used for attaching thermal insulation to the surface of ventilation ducts with a self-adhesive foam layer. They are provided with metal clip and PVC hood.
The PVC hood is not included.

Example identification
Product code: **GWS33**

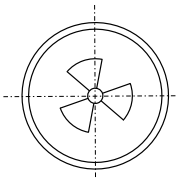
type

Dimensions



cap
KNY

clip for
nails adhesive
KLP



typ	*L [mm]*	*d [mm]*	*A [mm]*
GWS-25	25	2,7	50
GWS-33	33	2,7	50
GWS-43	43	2,7	50
GWS-53	53	2,7	50
GWS-63	63	2,7	50
GWS-76	76	2,7	50
GWS-103	103	2,7	50
GWS-115	115	2,7	50

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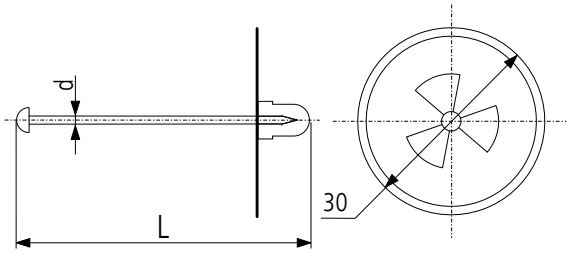
Description

They are used for attaching thermal insulation to the surface of ventilation ducts.

Example identification
Product code: **GWZ-33**

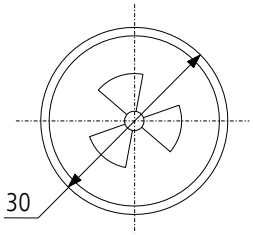
type

Dimensions



cap
KNY

clip for
nails adhesive
KLP



type	*L [mm]*	*d [mm]*
GWZ-25	25	2,2
GWZ-33	33	2,2
GWZ-43	43	2,2
GWZ-53	53	2,2
GWZ-63	63	2,2
GWZ-105	105	2,2
GWZ-115	115	2,2

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Welding nails

GWZ-PI

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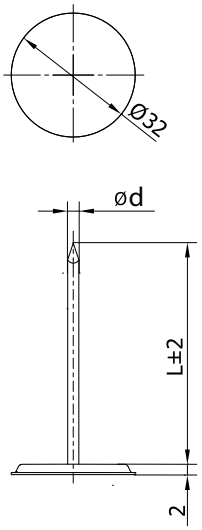
Description

The GWZ-PI welding nails are designed for fastening thermal insulation to smooth surfaces of ventilation ducts. They are mounted by welding with use of manual transformer welders with suitable power ensuring durable fastening and preventing surfaces of welded elements against damage.

Example identification
Product code: **GWZ-PI-30**

type

Dimensions



typ	*L [mm]*	*d [mm]*
GWZ-PI-30	30	2,7
GWZ-PI-40	40	2,7
GWZ-PI-50	50	2,7
GWZ-PI-60	60	2,7
GWZ-PI-100	100	2,7

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Duct Seal

USZ, USZ-CE

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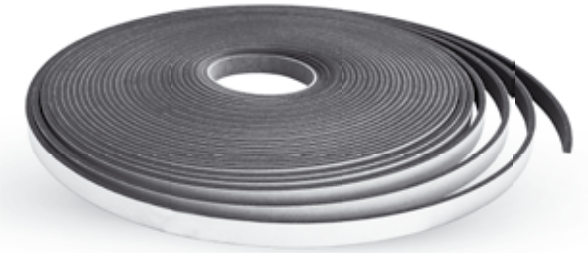
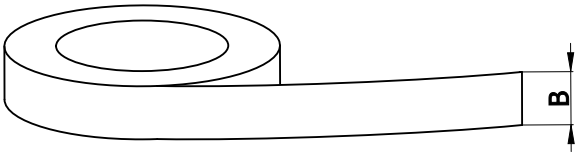


Dimensions



Description

The USZ seal is made of self-adhesive polyethylene tape. Thermal resistance of the seal is up to 80°C.
The USZ-CE ceramic seal has increased thermal resistance up to 1100°C. The USZ-CE seal is made of ceramic felt composed of aluminosilicate fibre. Glue material is based on modified acryl. The USZ and USZ-CE seals are applicable for sealing of connections in air conditioning and ventilation units. The USZ-CE seal is also applicable for sealing of systems with increased fire resistance.

Parameters for USZ-CE:

Diameter of fibre	3,2 μm
Density	200-300 kg/m^3
Tensile strength	> 350kPa lub 15,4 N/cm
Maximal working temperature	1100°C
Melting point	> 1300°C
Heat conduction	0,09 W/mK

Example identification

Product code: **USZ - 10 - 4**

type
width
depth

Code	*S [mm]*	*depth [mm]*	*length [mb]*
USZ-09-04	9	4	20
USZ-10-03	10	3	20
USZ-10-04	10	4	20
USZ-12-03	12	3	20
USZ-12-04	12	4	20
USZ-15-04	15	4	20
USZ-20-04	20	4	20

Code	*S [mm]*	*depth [mm]*	*length [mb]*
USZ-CE-10-04	10	4	20
USZ-CE-17-04	17	4	20

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Acryl sealants

SIL-AKR..

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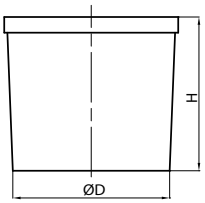
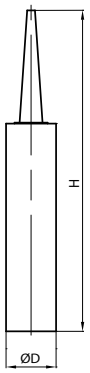
Dimensions

Vulume: 5L, 20L



Volume: 310ml



volume	*øD [mm]*	*H [mm]*
330 ml	50	340
5L	200	320
20L	320	320

Description

Acryl sealant for round ducts is designed for sealing ventilation ducts. It is free from harmful solvents and odours.It ensures flexible welds easy to be painted, perfectly adhesive to galvanized, painted and anti-corrosive sheet. Hardened mass is resistant to changing atmospheric conditions. It is designed for indoor and outdoor applications.
The substance is water-resistant after complete hardening.

Example identification
Product code: **SIL-AKR-5K**

type

code	*volume*	*material*	*density*	*dosage method*	*thermal resistance*	*colour*	*application*
SIL-AKR-5K	5L	acryl sealants	1,05 kg/litr	brush	-40°C do +80°C (100°C)	silver-grey	sealant for round ducts and fitings
SIL-AKR-SQ-5K	5L	acryl sealants	1,5 kg/litr	brush	-40°C do +70°C	silver-grey	sealant for square ducts and fitings
SIL-AKR-20L	20L	acryl sealants	1,5 kg/litr	PIS-POMP	-40°C do +70°C	grey	sealant for round and aquare ducts and fitings
SIL-AKR-310	310ml	acryl	1,5 kg/litr	PIS-REC	-40°C do +80°C	grey	sealant for round and aquare ducts and fitings

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Roofwork and acetic sealants

SIL-UNI../SIL-DEK..

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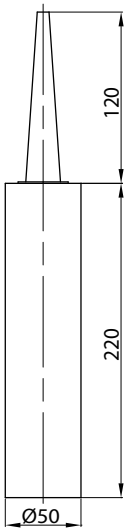
Dimensions



Description

Roofwork sealants are used for tin-smith works on roofs, terraces, chimneys, passages etc.They are applicable for sealing corrugated and trapezoid plates. It is permanently plastic what prevents against unsealing of construction elements.
Acetic sealants are one-components flexible acetic system sealing mass. They ensure permanent and flexible sealing resistant to changing atmospheric conditions.

Example identification
Product code: **SIL-UNI-OCT-300**

type

code	*volume*	*material*	*density*	*dosage method*	*thermal resistance*	*colour*	*application*
SIL-UNI-OCT-300	300ml	acetic silicone	1,0 - 1,3 kg/litr	PIS-REC	-40°C do +180°C	grey	seal stainless steel sheet metal
SIL-UNI-NAT-300	300ml	neutral silicone	1,0 - 1,3 kg/litr	PIS-REC	-60°C do +180°C	colorless	seal metal joints of PVC
SIL-DEK-310	310ml	sealant bituminous	1,3 kg/litr	PIS-REC	do + 210°C	black	roof flashings

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Foams

PIA-MON..

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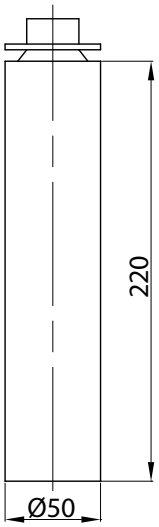
Dimensions



Description

Mounting foam can be used as a thermal and acoustic insulation and a sealant of construction elements. It has excellent thermo-insulating and sound absorbing parameters. The advantage of the mounting foam is high mechanical resistance.
Possible application is also in the temperature to -10°C.

Example identification
Product code: **PIA-MON**

type

code	*volume*	*material*	*density*	*dosage method*	*thermal resistance*	*colour*	*application*
PIA-MON	500ml	polyurethane foam	0,027 kg/litr	manually	-40°C do +130°C	yellow	sealing material and filling the gap between the air duct and the wall structure
PIA-MON-PIS	750ml	polyurethane foam	0,027 kg/litr	PIS-MONT	-60°C do +100°C	yellow	sealing material and filling the gap between the air duct and the wall structure

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Firefighting silicones

SIL-PPOZ..

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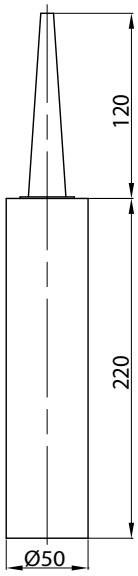
Dimensions



Description

Firefighting silicones are one-component sealing mean of acetic system of hardening. Sealing is permanent, wholly resistant to action of oils and changing atmospheric conditions.
Firefighting silicones are designed for sealing places which are directed to constant action of high temperatures up to 250oC, such as chimneys, heating devices, ventilation ducts.

Example identification
Product code: **SIL-PPOZ-OCT-300**

type

code	*volume*	*material*	*density*	*dosage method*	*thermal resistance*	*colour*	*application*
SIL-PPOZ-OCT-300	300ml	polisiloksan	1,3 kg/litr	300 ml of substance produces 18 running meters 4 x 4 mm weld	PIS-REC	-40°C do +250°C (+350°C)	red
SIL-PPOZ-NAT-310	310ml	silikon octanowy	1,03kg/litr	310 ml of substance produces 18 running meters 4 x 4 mm weld	PIS-REC	-40°C do +250°C (+300°C)	red

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Pump

PIS-POMP

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Description

The air operated pump is designed for pumping and dosage of liquid products such as sealants.
The complete set consists of pneumatic pump, piston pump, air preparation set and smooth-wall teflon hose tipped from both sides with sleeves made of acid-resistant steel

Technical data:

Pump ratio	- 4:1
Air motor	- 3”
Supply	- from 1,5 to 10,3 bar
Max. forcing pressure	- 41,4 bar
Max. output	- 8,062 l/min
Number of cycles	- 120/min
Air connection	- 1/4”
Pump outlet	- 3/4”gwint wewnętrzny
Max. flow	- 50dm^3/s
Max. working temperature	- 50°C

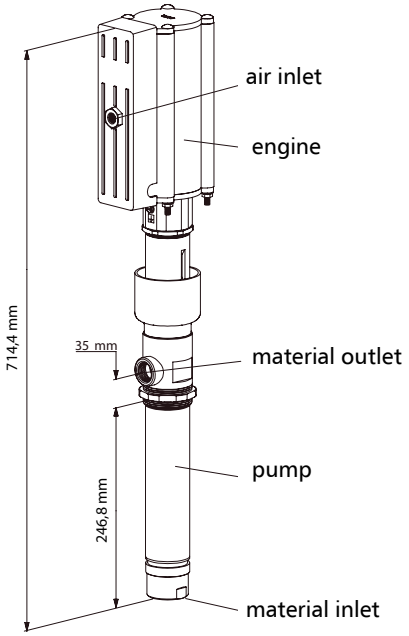
Example identification

Product code: **PIS-POMP**

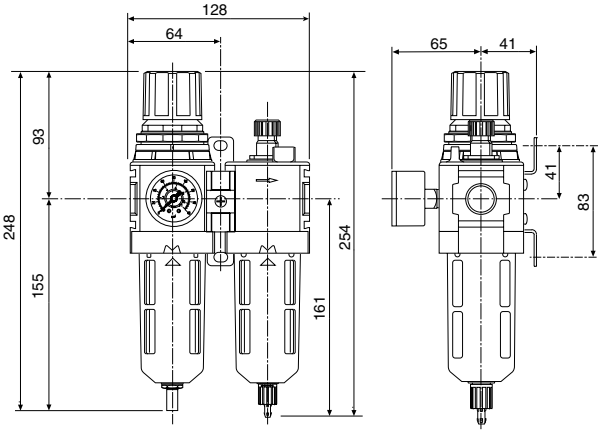
type

Dimensions

Pneumatic piston pump



Air preparation unit



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Sheet elements repair spray

OCSP

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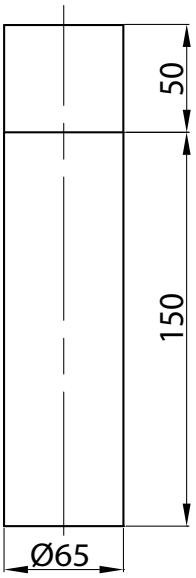

Description

The OCSP zinc-aliminium spray is designed for a long lasting protection and repair of steel surfaces. It is perfectly adhesive to metals, resistant to water, salt and atmospheric conditions action, as well as high temperature and abrasion.

Technical data:
temperature range: from -30°C to +500°C

Example identification
Product code: **OCSP**

type

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Sheet elements repair spray

ESLA

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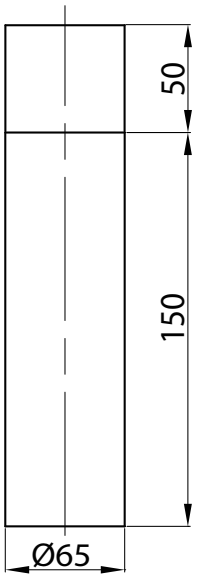

Description

The ESLA spray is designed for protection and repair of high-quality steel surfaces. It has an excellent adhearance to metal and resistance to abrasion

Technical data:
temperature range: from -35°C to +500°C

Example identification
Product code: **ESLA**

type

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