

Uppgiftslämnaren reserverar sig för eventuella fel i produktinformationen eller felaktigt registrerade uppgifter och förbehåller sig rätten att korrigera och/eller komplettera produktinformation utan föregående avisering

1

GRUNDDATA

Varubeskrivning

Powder-coated steel pipe, includes sleeve and bend

Övriga upplysningar

Klassificeringar

ETIM >

BK04 >

BSAB >

UNSPSC >

Leverantörsuppgifter

Företagsnamn

OBO Bettermann AB

Organisationsnummer

5566815519

Adress

Hemsida

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Miljökontaktperson

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HÅLLBARHETSARBETE

Företagets certifiering

■ ISO 9000

■ ISO 14000

INNEHÅLLSDEKLARATION

Kemisk produkt	Nej
Omfattas varan av RoHS-direktivet	Nej
Innehåller produkten tillsatt nanomaterial, som är medvetet tillsatta för att uppnå en viss funktion	Nej
Varans vikt	0,024 - 6,69 kg

Vara / Delkomponenter

Koncentrationen har beräknats på komponentnivå

Steel, 98,7- 99,1 vikt% - 98,7% av hela varan

Ingående material /komponenter	Vikt-% i komponent	CAS-nr (alt legering)	EG-nr (alt legering)	Vikt % i produkt	Kommentar
Steel, DIN EN 10139 DC 01	100%		1.0330	98,7%	

Coating material for powder coating, 0,9-1,4 vikt% - 1,4% av hela varan

Ingående material /komponenter	Vikt-% i komponent	CAS-nr (alt legering)	EG-nr (alt legering)	Vikt % i produkt	Kommentar
benzene-1,2,4,5-tetracarboxylic acid, compound with 4,5-dihydro-2-phenyl-1Himidazole (1:1)	5%	54553-90-1	259-224-4	0,07%	

Del av materialinnehållet som är deklarerat 100%

Särskilt farliga ämnen

Varan innehåller INTE några ämnen med särskilt farliga egenskaper (Substances of very high concern, SVHC-ämnerna) som finns med på kandidatförteckningen i en koncentration som överstiger 0,1 vikts-%

Utgåva av kandidatförteckningen som har använts

2021-01-22 00:00:00

Övrigt

Ämnen är redovisade ned till 0.01 viktprocent enligt iBVDs redovisningskrav. Eventuell avvikelse från redovisningskraven redovisas nedan

4

RÅVAROR

Återvunnet material

Innehåller varan återvunnet material: Nej

Träråvara

Träråvara ingår i varan: Nej

5

MILJÖPÅVERKAN

Finns en miljövarudeklaration framtagen enligt EN15804 eller ISO14025 för varan

Nej

Finns annan miljövarudeklaration

Nej

6

DISTRIBUTION

Beskrivning av emballagehantering för distribution av varan

The main packaging is made of paper/cardboard. In addition, PE film or PE bags are sometimes used as protective packaging.

7

BYGGSKEDET

Ställer varan särskilda krav vid lagring?

Nej

Ställer varan särskilda krav på omgivande byggvaror?

Nej

8

BRUKSSKEDET

Finns skötselanvisningar/skötselråd?

Nej

Finns en energimärkning enligt energimärkningsdirektivet (2010/30/EU) för varan?

Ej relevant

9

RIVNING

Kräver varan särskilda åtgärder för skydd av hälsa och miljö vid rivning/demontering?

Nej

Omfattas den levererade varan av förordningen (2014:1075) om producentansvar för elektriska och elektroniska produkter när den blir avfall?	Nej
Är återanvändning möjlig för hela eller delar av varan?	Nej
Är materialåtervinning möjlig för hela eller delar av varan?	Ja
Components can be recycled.	
Är energiåtervinning möjlig för hela eller delar av varan?	Nej
Har leverantören restriktioner och rekommendationer för återanvändning, material- eller energiåtervinning eller deponering?	Nej
När den levererade varan blir avfall, klassas den då som farligt avfall?	Nej
Avfallskod (EWC) för den levererade varan	170405

E-nummer	Leverantörens artikelnummer	GTIN
14 030 26	2046565	4012195782032
14 030 27	2046566	4012195782049
14 030 28	2046567	4012195782070
14 030 29	2046568	4012195782087
14 030 32	2046569	4012195782094
14 030 33	2046570	4012195782100
14 030 34	2046571	4012195782131
14 030 35	2046824	4012196388066
14 030 36	2046825	4012196388073
14 030 37	2046826	4012196388080
14 030 38	2046827	4012196388127
14 030 39	2046828	4012196388134
14 030 42	2046829	4012196388141
14 030 43	2046830	4012196388158
14 030 44	2046582	4012195781776
14 030 45	2046583	4012195781783
14 030 46	2046584	4012195781790
14 030 47	2046585	4012195781806
14 030 48	2046586	4012195781844
14 030 49	2046587	4012195781851
14 030 52	2046588	4012195781868

Produktdatablad 01-190VBS pipe systems.pdf

PrestandadeklARATION

Säkerhetsblad

MiljövarudeklARATION

Skötselanvisning

Övriga bifogade dokument

-12698_0_englisch.PDF

-VSLF12698e.PDF

Pipe systems

	Steel pipe, electrogalvanised	354
	Steel pipe, black, powder-coated	356
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	Stainless steel pipe	360
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IEC classification in accordance with DIN EN 61386-1

The OBO Bettermann pipe systems are machined and tested according to DIN EN 61386 (Electrical installation pipe systems for electrical energy and information) and DIN EN 60423 (External diameters of electrical installation

pipes and thread for electrical installation pipes and their accessories).

Numeric code

DIN EN 61386-1 classifies installation pipes using a 12-digit numeric

code, which provides information on the pressure resistance, impact resistance or use temperatures. You can find the first five digits in the product descriptions of the pipe systems.

First digit

Compression resistance

Second digit

Impact resistance

Third digit

Minimum use temperature

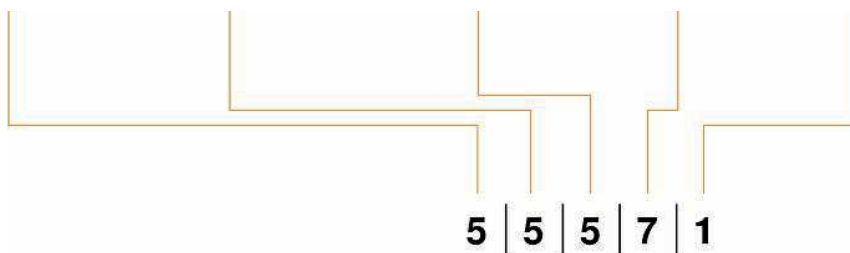
Fourth digit

Maximum use temperature

Fifth digit

Bending resistance

	First digit		Second digit		Third digit		Fourth digit		Fifth digit
	Pressure resistance		Impact resistance		Minimum use temperature		Maximum use temperature		Bending behaviour
1	Very light (125 N)	1	Very light (0.5 kg/100 mm)	1	+ 5 °C	1	+ 60 °C	1	Rigid
2	Light (320 N)	2	Light (1.0 kg/100 mm)	2	– 5 °C	2	+ 90 °C	2	Bendable
3	Medium (750 N)	3	Medium (2.0 kg/100 mm)	3	– 15 °C	3	+ 105 °C	3	Bendable, self-healing
4	Heavy (1250 N)	4	Heavy (2.0 kg/300 mm)	4	– 25 °C	4	+ 120 °C	4	Flexible
5	Very heavy (4000 N)	5	Very heavy (6.8 kg/300 mm)	5	– 45 °C	5	+ 150 °C		
						6	+ 250 °C		
						7	+ 400 °C		



Electrical installation pipes

Classification according to IEC EN 61386-1: Corrosion protection

	9th digit	
	Resistance against corrosion	Suitable surfaces
1	Low protection, inside and outside	
2	Medium protection, inside and outside	• Painted black (SW) • Electrogalvanised (G) • Strip galvanised (FS)
3	Medium protection inside, high protection outside	
4	High protection, inside and outside	• Hot-dip galvanised (FT) • Stainless steel (V2A, V4A)



Protection against mechanical loads

OBO metal pipes are particularly suited to use under tough industrial conditions. They provide reliable protection against very heavy mechanical loads during cable routing.

The different material and surface qualities, from galvanised to painted, allow perfect adaptation to the requirements of the appropriate environment.

Maintenance of electrical function to E30/E90

Our steel pipes guarantee the maintenance of electrical function to E30/E90. They are thus ideal for the connection of safety-relevant equipment, such as fire alarm systems.



Electrogalvanised threaded pipe

- VDE-tested
- Trimmed weld
- Internally galvanised



Electrogalvanised plug-in pipe

- VDE-tested
- Trimmed weld
- Galvanised inside



Black, powder-coated Threaded pipe

- VDE-tested
- Trimmed weld



Black, powder-coated Plug-in pipe

- VDE-tested
- Trimmed weld



Hot galvanised threaded pipe

- VDE-tested
- Trimmed weld
- High corrosion protection
- Zinc/nickel sleeve



Hot galvanised plug-in pipe

- VDE-tested
- Trimmed weld
- High corrosion protection



Stainless steel pipe, V2A

- VDE-tested
- Brushed surface



Stainless steel plug-in pipe, V4A

- VDE-tested
- Brushed surface



Aluminium threaded pipe

- VDE-tested



Aluminium plug-in pipe

- VDE-tested



Accessories

- Wide range of application options

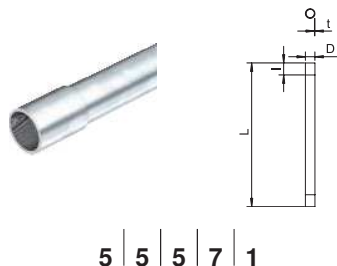


Quick pipe

- Innovative system
- VDE-tested
- Reclosable



Electrogalvanised steel pipe, with thread



5 | 5 | 5 | 7 | 1



Type	Thread	Dimension D mm	Dimension L mm	Dimension I mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
SM16W G	M16x1,5	16	3000	13	1.3	30	50.390	2046861
SM20W G	M20x1,5	20	3000	13	1.5	30	66.667	2046862
SM25W G	M25x1,5	25	3000	18	1.5	30	92.290	2046863
SM32W G	M32x1,5	32	3000	18	1.5	21	120.000	2046864
SM40W G	M40x1,5	40	3000	20.5	1.5	15	151.450	2046865
SM50W G	M50x1,5	50	3000	25	1.5	15	190.000	2046866
SM63W G	M63x1,5	63	3000	25	1.7	9	287.700	2046867

St Steel

G Electrogalvanised

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. One coupling is already screwed onto each pipe.

Electrogalvanised steel bend, with thread



Type	Thread	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBNM16 G	M16x1,5	45	103	16	13	50	1.4	15	10.400	2046778
SBNM20 G	M20x1,5	55	155	20	13	90	1.6	25	21.000	2046779
SBNM25 G	M25x1,5	68	190	25	18	110	1.6	25	33.000	2046780
SBNM32 G	M32x1,5	88	254	32	18	150	1.6	20	56.600	2046781
SBNM40 G	M40x1,5	89	279	40	20.5	170	1.6	15	77.600	2046782
SBNM50 G	M50x1,5	133	358	50	25	200	1.6	5	125.800	2046783
SBNM63 G	M63x1,5	165	446	63	25	250	1.8	3	227.000	2046784

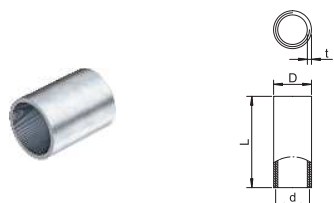
St Steel

G Electrogalvanised

90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to DIN EN 60423. With burr-free inner wall.

One connection sleeve is already screwed onto each pipe bend.

Electrogalvanised steel sleeve, with thread



Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W G	M16x1,5	18.5	16	26	2	25	2.110	2046875
SVM20W G	M20x1,5	22.5	20	30	2	50	3.400	2046876
SVM25W G	M25x1,5	27.5	25	40	2	50	5.030	2046877
SVM32W G	M32x1,5	35.5	32	40	2.5	50	8.800	2046878
SVM40W G	M40x1,5	43.5	40	45	2.5	25	11.370	2046879
SVM50W G	M50x1,5	53.5	50	54	2.5	10	16.970	2046880
SVM63W G	M63x1,5	68	63	60	3.2	5	30.670	2046881

St Steel

G Electrogalvanised

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

Armoured steel pipe without thread, electrogalvanised

E30

E90

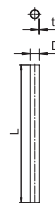


Type	Dimen- sion D mm	Dimen- sion L mm	Dimen- sion t mm	Pack. m	Weight kg/100 m	Item No.
S16W G	16	3000	1	30	37.000	2046840
S20W G	20	3000	1	30	44.700	2046841
S25W G	25	3000	1.2	30	70.400	2046842
S32W G	32	3000	1.2	21	91.200	2046843
S40W G	40	3000	1.2	15	139.700	2046844
S50W G	50	3000	1.2	15	176.000	2046845
S63W G	63	3000	1.2	9	223.000	2046846

St Steel

G Electrogalvanised

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



4 | 4 | 5 | 7 | 1

Electrogalvanised steel bend, without thread

E30

E90

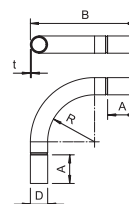


Type	Di- men- sion A mm	Dimen- sion B mm	Dimen- sion D mm	Dimen- sion I mm	Dimen- sion R mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 G	43.7	103	18.6	25	50	1	15	7.200	2046808
SBN20 G	53.7	155	22.6	30	90	1	25	13.300	2046809
SBN25 G	66.5	190	28	40	110	1.2	25	24.400	2046810
SBN32 G	86.5	254	35.1	40	150	1.2	20	41.000	2046811
SBN40 G	87.2	279	43.7	50	170	1.5	15	70.200	2046812
SBN50 G	131	358	54	60	200	1.5	5	111.800	2046813
SBN63 G	163	446	67	90	250	1.5	3	174.200	2046814

St Steel

G Electrogalvanised

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.



Armoured steel pipe connection sleeve without thread, electrogalvanised

E30

E90

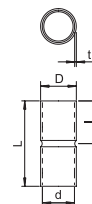


Type	Dimen- sion D mm	Dimen- sion d mm	Dimen- sion L mm	Dimen- sion I mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W G	18.6	16.6	50	25	1	25	2.400	2046854
SV20W G	23.1	20.7	60	30	1.2	50	4.000	2046855
SV25W G	28.1	25.7	60	30	1.2	50	5.200	2046856
SV32W G	35.2	32.8	70	35	1.2	50	7.200	2046857
SV40W G	43.8	43.8	80	40	1.5	25	13.200	2046858
SV50W G	54	51	100	50	1.5	10	20.000	2046859
SV63W G	67	64	100	50	1.5	5	28.000	2046860

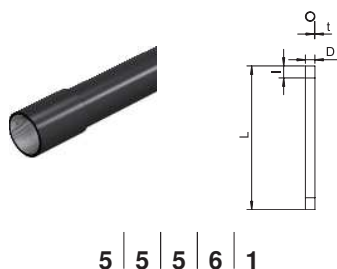
St Steel

G Electrogalvanised

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.



Armoured steel pipe with thread, black



5 | 5 | 5 | 6 | 1



Type	Thread	Dimension D mm	Dimension L mm	Dimension I mm	Dimension t mm	Colour	Pack. m	Weight kg/100 m	Item No.
SM16W SW	M16x1,5	16	3000	13	1.3	Jet black	30	50.000	2046500
SM20W SW	M20x1,5	20	3000	13	1.5	Jet black	30	73.000	2046501
SM25W SW	M25x1,5	25	3000	18	1.5	Jet black	30	92.000	2046502
SM32W SW	M32x1,5	32	3000	18	1.5	Jet black	21	120.000	2046503
SM40W SW	M40x1,5	40	3000	20.5	1.5	Jet black	15	152.000	2046505
SM50W SW	M50x1,5	50	3000	25	1.5	Jet black	15	190.700	2046506
SM63W SW	M63x1,5	63	3000	25	1.7	Jet black	9	287.700	2046507

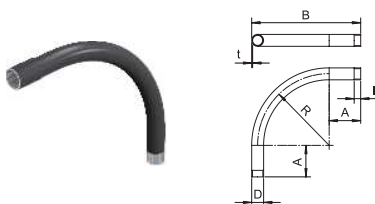
Sl Steel

PE50 PES50 - Polyester/epoxy

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. One coupling is already screwed onto each pipe.

Black powder-coated steel bend, with thread



Type	Thread	Dimension B mm	Dimension D mm	Dimension R mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SBNM16 SW	M16x1,5	103	16	50	Jet black	15	10.400	2046793
SBNM20 SW	M20x1,5	155	20	90	Jet black	25	21.000	2046794
SBNM25 SW	M25x1,5	190	25	110	Jet black	25	33.000	2046795
SBNM32 SW	M32x1,5	254	32	150	Jet black	20	56.600	2046796
SBNM40 SW	M40x1,5	279	40	170	Jet black	15	77.600	2046797
SBNM50 SW	M50x1,5	358	50	200	Jet black	5	125.800	2046798
SBNM63 SW	M63x1,5	446	63	250	Jet black	3	227.000	2046799

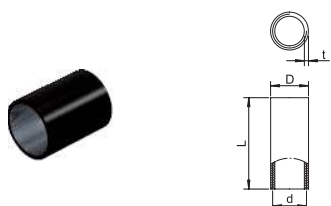
Sl Steel

PE50 PES50 - Polyester/epoxy

90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to DIN EN 60423. With burr-free inner wall.

One connection sleeve is already screwed onto each pipe bend.

Black powder-coated steel sleeve, with thread



Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W SW	M16x1,5	18.5	16	26	2	Jet black	25	2.100	2046522
SVM20W SW	M20x1,5	22.5	20	30	2	Jet black	50	3.400	2046523
SVM25W SW	M25x1,5	27.5	25	40	2	Jet black	50	5.000	2046524
SVM32W SW	M32x1,5	35.5	32	40	2.5	Jet black	50	8.800	2046525
SVM40W SW	M40x1,5	43.5	40	45	2.5	Jet black	25	11.400	2046526
SVM50W SW	M50x1,5	53.5	50	54	2.5	Jet black	10	17.000	2046527
SVM63W SW	M63x1,5	68	63	60	3.2	Jet black	5	30.700	2046528

Sl Steel

PE50 PES50 - Polyester/epoxy

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

Armoured steel pipe without thread, black

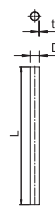


Type	Dimension D mm	Dimension L mm	Dimension t mm	Colour	Pack. m	Weight kg/100 m	Item No.
S16W SW	16	3000	1	Jet black	30	37.000	2046565
S20W SW	20	3000	1	Jet black	30	44.700	2046566
S25W SW	25	3000	1.2	Jet black	30	70.400	2046567
S32W SW	32	3000	1.2	Jet black	21	91.200	2046568
S40W SW	40	3000	1.2	Jet black	15	139.700	2046569
S50W SW	50	3000	1.2	Jet black	15	176.000	2046570
S63W SW	63	3000	1.2	Jet black	9	223.000	2046571

St Steel

PE50 PES50 - Polyester/epoxy

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



4 | 4 | 5 | 6 | 1

Black powder-coated steel bend, without thread

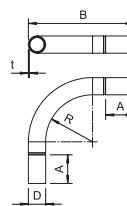


Type	Dimension B mm	Dimension D mm	Dimension R mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 SW	103	16.6	50	Jet black	15	7.200	2046824
SBN20 SW	155	20.6	90	Jet black	25	13.300	2046825
SBN25 SW	190	25.6	110	Jet black	25	24.400	2046826
SBN32 SW	254	32.7	150	Jet black	20	41.000	2046827
SBN40 SW	279	40.7	170	Jet black	15	68.900	2046828
SBN50 SW	358	51	200	Jet black	5	111.800	2046829
SBN63 SW	446	64	250	Jet black	3	174.200	2046830

St Steel

PE50 PES50 - Polyester/epoxy

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.



Armoured steel pipe connection sleeve without thread, black

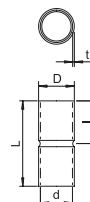


Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension I mm	Dimension t mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W SW	18.6	16.6	50	25	1	Jet black	25	2.400	2046582
SV20W SW	23.1	20.7	60	30	1.2	Jet black	50	3.200	2046583
SV25W SW	28.1	25.7	60	30	1.2	Jet black	50	5.200	2046584
SV32W SW	35.2	32.8	70	35	1.2	Jet black	50	7.200	2046585
SV40W SW	43.8	40.8	80	40	1.5	Jet black	25	13.200	2046586
SV50W SW	54	51	100	50	1.5	Jet black	10	20.000	2046587
SV63W SW	67	64	100	50	1.5	Jet black	5	28.000	2046588

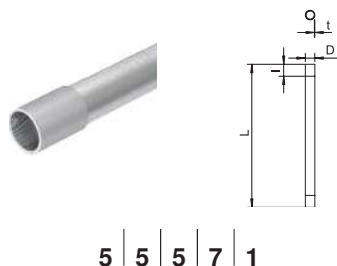
St Steel

PE50 PES50 - Polyester/epoxy

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.



Hot-dip galvanised steel pipe, with thread



Type	Thread	Dimension D mm	Dimension L mm	Dimension I mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
SM16W FT	M16x1,5	16	3000	13	1.3	30	54.000	2046533
SM20W FT	M20x1,5	20	3000	13	1.5	30	79.000	2046534
SM25W FT	M25x1,5	25	3000	18	1.5	30	99.000	2046535
SM32W FT	M32x1,5	32	3000	18	1.5	21	130.000	2046536
SM40W FT	M40x1,5	40	3000	20.5	1.5	15	164.000	2046537
SM50W FT	M50x1,5	50	3000	25	1.5	15	206.000	2046538
SM63W FT	M63x1,5	63	3000	26	1.8	9	324.700	2046540

St Steel

FT Hot-dip galvanised

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. Corrosion protection class 4 (high). One coupling is already screwed onto each pipe.

Hot-dip galvanised steel bend, with thread



Type	Thread	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBNM16 FT	M16x1,5	45	103	16	13	50	1.4	15	10.400	2046786
SBNM20 FT	M20x1,5	55	155	20	13	90	1.6	25	21.000	2046787
SBNM25 FT	M25x1,5	68	190	25	18	110	1.6	25	33.000	2046788
SBNM32 FT	M32x1,5	88	254	32	18	150	1.6	20	56.600	2046789
SBNM40 FT	M40x1,5	89	279	40	20.5	170	1.6	15	77.600	2046790
SBNM50 FT	M50x1,5	133	358	50	25	200	1.6	5	125.800	2046791
SBNM63 FT	M63x1,5	165	446	63	25	250	1.8	3	227.000	2046792

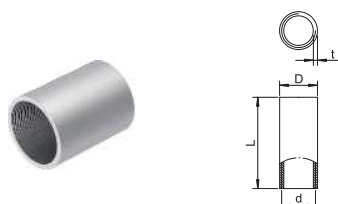
St Steel

FT Hot-dip galvanised

90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to DIN EN 60423. With burr-free inner wall.

One connection sleeve is already screwed onto each pipe bend.

Zinc-nickel coated steel sleeve, with thread



Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W DN	M16x1,5	18.5	16	26	2	25	2.100	2046553
SVM20W DN	M20x1,5	22.5	20	30	2	50	3.400	2046554
SVM25W DN	M25x1,5	27.5	25	40	2	50	3.986	2046556
SVM32W DN	M32x1,5	35.5	32	40	2.5	50	8.800	2046557
SVM40W DN	M40x1,5	43.5	40	45	2.5	25	11.400	2046558
SVM50W DN	M50x1,5	53.5	50	54	2.5	10	17.000	2046559
SVM63W DN	M63x1,5	68	63	60	3.2	5	30.700	2046560

St Steel

DN Zinc / nickel-coated

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

Hot-dip galvanised steel pipe, without thread



Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W FT	16	3000	1	30	37.000	2046593
S20W FT	20	3000	1	30	44.700	2046594
S25W FT	25	3000	1.2	30	70.400	2046595
S32W FT	32	3000	1.2	21	91.200	2046596
S40W FT	40	3000	1.2	15	139.700	2046597
S50W FT	50	3000	1.2	15	176.000	2046598
S63W FT	63	3000	1.2	9	223.000	2046599

St Steel

FT Hot-dip galvanised

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high).



4 | 4 | 5 | 7 | 1

Hot-dip galvanised steel bend, without thread

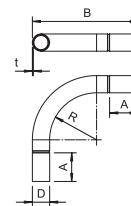


Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 FT	43.7	103	16.6	25	50	1	15	7.200	2046816
SBN20 FT	53.7	155	20.6	30	90	1	25	13.300	2046817
SBN25 FT	66.5	190	25.6	40	110	1.2	25	24.400	2046818
SBN32 FT	86.5	254	32.7	40	150	1.2	20	41.000	2046819
SBN40 FT	87.2	279	40.7	50	170	1.5	15	68.900	2046820
SBN50 FT	131	358	51	60	200	1.5	5	111.800	2046821
SBN63 FT	163	446	64	90	250	1.5	3	174.200	2046822

St Steel

FT Hot-dip galvanised

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.



Hot-dip galvanised steel sleeve, without thread

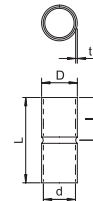


Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension I mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W FT	18.6	16.6	50	25	1	25	2.200	2046620
SV20W FT	23.1	20.7	60	30	1.2	50	3.200	2046621
SV25W FT	28.1	25.7	60	30	1.2	50	5.600	2046622
SV32W FT	35.2	32.8	70	35	1.2	50	7.800	2046623
SV40W FT	43.8	40.8	80	40	1.5	25	14.400	2046624
SV50W FT	54	51	100	50	1.5	10	22.000	2046625
SV63W FT	67	63	100	50	1.5	5	28.000	2046626

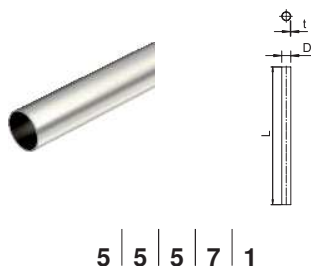
St Steel

FT Hot-dip galvanised

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.



Stainless steel pipe, V2A



E30 E90

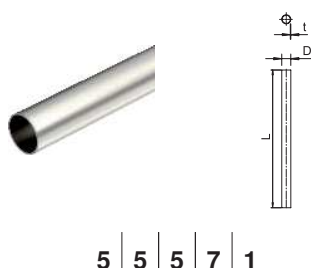
Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W A2	16	3000	1	30	37.000	2046720
S20W A2	20	3000	1	30	46.900	2046721
S25W A2	25	3000	1	30	59.200	2046722
S32W A2	32	3000	1.2	21	91.200	2046723
S40W A2	40	3000	1.2	15	114.800	2046724
S50W A2	50	3000	1.5	15	179.400	2046725
S63W A2	63	3000	1.5	9	227.500	2046726

V2A Stainless steel, A2

GEB Brushed

Electrical installation pipe without threaded ends to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high).
Classification according to DIN EN 61386-1: 555711404010

Stainless steel pipe, V4A



E30 E90

Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W A4	16	3000	1	15	37.000	2046750
S20W A4	20	3000	1	15	46.900	2046751
S25W A4	25	3000	1	15	59.200	2046752
S32W A4	32	3000	1.2	15	91.200	2046753
S40W A4	40	3000	1.2	9	114.800	2046754
S50W A4	50	3000	1.5	9	179.400	2046755
S63W A4	63	3000	1.5	9	227.500	2046756

V4A Stainless steel, A4

GEB Brushed

Electrical installation pipe without threaded ends to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high).

Stainless steel pipe bend, V4A



E30 E90

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension L mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W A4	54	104	18.2	25	50	1	5	7.200	2046760
SB20W A4	66	156	22.2	30	90	1	10	13.300	2046761
SB25W A4	81.5	194	27.2	30	112.5	1	10	20.400	2046762
SB32W A4	104	250	34.7	35	146	1.25	10	42.000	2046763
SB40W A4	129	294	42.7	40	165	1.25	5	61.200	2046764
SB50W A4	158	408	52.7	50	250	1.25	5	79.500	2046765
SB63W A4	198	448	65.7	50	250	1.25	3	144.600	2046766

V4A Stainless steel, A4

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.

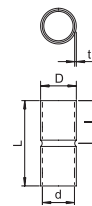
Stainless steel sleeve V4A

E30 E90

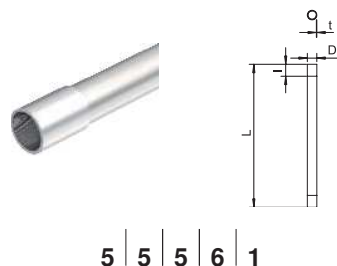
Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. pcs.	Weight kg/100 pcs.	Item No.
SV16W A4	18.2	16.2	50	25	1	10	2.100	2046770
SV20W A4	22.2	20.2	60	30	1	15	3.200	2046771
SV25W A4	27.2	25.2	60	30	1	15	3.900	2046772
SV32W A4	34.7	32.2	70	35	1.25	15	7.300	2046773
SV40W A4	42.7	40.2	80	40	1.25	10	10.300	2046774
SV50W A4	52.8	50.2	100	50	1.3	5	16.700	2046775
SV63W A4	65.8	63.2	100	50	1.3	3	20.900	2046776

V4A Stainless steel, A4

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.



Aluminium pipe, with thread



M

Type	Thread	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
SM16W ALU	M16x1,5	16	3000	1.6	30	19.543	2046032
SM20W ALU	M20x1,5	20	3000	1.9	30	29.170	2046033
SM25W ALU	M25x1,5	25	3000	1.9	30	37.230	2046034
SM32W ALU	M32x1,5	32	3000	1.9	30	48.510	2046035
SM40W ALU	M40x1,5	40	3000	1.9	15	61.403	2046036
SM50W ALU	M50x1,5	50	3000	2.1	15	85.323	2046037
SM63W ALU	M63x1,5	63	3000	2.1	15	108.480	2046038

Alu Aluminium

Electrical installation pipe to EN 61386-1 with threaded ends to DIN EN 60423 for mechanical protection of cables.

With burr-free inner wall. One connection sleeve is already screwed onto each pipe.

Aluminium pipe bend, with thread



M

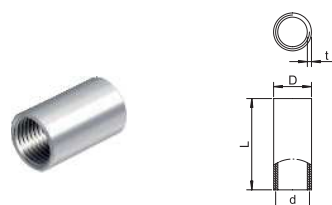
Type	Thread	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W ALU	M16x1,5	78	150	16	15	64	1.6	15	3.300	2046042
SBM20W ALU	M20x1,5	80	170	20	15	80	1.9	25	7.300	2046043
SBM25W ALU	M25x1,5	93	208	25	20	102.5	1.9	25	11.500	2046044
SBM32W ALU	M32x1,5	105	252	32	20	131	1.9	20	20.000	2046045
SBM40W ALU	M40x1,5	115	300	40	20	165	1.9	15	27.300	2046046
SBM50W ALU	M50x1,5	128	358	50	25	205	2.1	5	49.500	2046047
SBM63W ALU	M63x1,5	135	423	63	25	256.5	2.1	3	78.400	2046048

Alu Aluminium

90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to DIN EN 60423. With burr-free inner wall.

One connection sleeve is already screwed onto each pipe bend.

Aluminium sleeve, with thread



M

Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W ALU	M16x1,5	18.5	16	35	2.25	50	1.080	2046052
SVM20W ALU	M20x1,5	22.5	20	35	2.25	50	1.100	2046053
SVM25W ALU	M25x1,5	28	25	45	2.5	50	2.430	2046054
SVM32W ALU	M32x1,5	35	32	45	2.5	50	3.100	2046055
SVM40W ALU	M40x1,5	43.5	40	45	2.75	20	4.270	2046056
SVM50W ALU	M50x1,5	53.5	50	55	2.75	20	6.510	2046057
SVM63W ALU	M63x1,5	66.5	63	55	2.8	20	8.320	2046058

Alu Aluminium

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

Aluminium pipe, without thread

Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W ALU	16	3000	1.2	30	15.065	2046002
S20W ALU	20	3000	1.2	30	19.134	2046003
S25W ALU	25	3000	1.3	30	26.134	2046004
S32W ALU	32	3000	1.3	30	33.853	2046005
S40W ALU	40	3000	1.4	15	45.839	2046006
S50W ALU	50	3000	1.4	15	57.714	2046007
S63W ALU	63	3000	1.7	15	88.394	2046008

Alu Aluminium

Electrical installation pipe without threaded ends to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



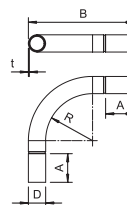
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Aluminium pipe bend, without thread

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W ALU	78	151	16	28	64	1.2	15	2.350	2046012
SB20W ALU	80	171	20	30	80	1.2	25	5.500	2046013
SB25W ALU	93	209	25	38	102.5	1.3	25	9.000	2046014
SB32W ALU	105	253	32	40	131	1.3	20	14.100	2046015
SB40W ALU	115	302	40	50	165	1.4	15	22.400	2046016
SB50W ALU	128	360	50	63	205	1.4	5	35.400	2046017
SB63W ALU	135	425	63	70	256.5	1.7	3	59.500	2046018

Alu Aluminium

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.

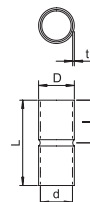


Aluminium sleeve, without thread

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension I mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W ALU	18.6	16.2	40	20	1.2	50	0.700	2046022
SV20W ALU	22.6	20.2	50	25	1.2	50	1.300	2046023
SV25W ALU	27.6	25.2	60	30	1.2	50	1.900	2046024
SV32W ALU	34.6	32.2	70	35	1.2	50	2.400	2046025
SV40W ALU	43	40.2	70	35	1.4	20	4.000	2046026
SV50W ALU	53	50.2	90	45	1.4	20	6.100	2046027
SV63W ALU	66.2	63.2	110	55	1.5	20	9.000	2046028

Alu Aluminium

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.





Version number: 1439911

Revision: 04.04.2021

Printing date: 04.04.2021

01 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
 - Trade name:
POLYFLEX PES-50-UDS smooth Corona ultra-thin coating interior silk-matt 20
 - Article number:
12698
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 - Application of the substance / the preparation
Coating material for powder coating
 - Uses advised against
All other uses.
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Karl Bubenhofer AG
Hirschenstrasse 26
CH-9201 Gossau SG
Telephone: +41 (0)71/387 41 41, Telefax: +41 (0)71/387 41 51
Contact for information (office hours): Regulatory Affairs,
Dr. Christina Ott, Telephone: +41 (0)71/387 41 35,
Telefax: +41 (0)71/387 43 04
E-mail: ott.christina@kabe-farben.ch
- Sales Organization in Germany:
KABE Pulverlack Deutschland GmbH Sofienstrasse 36 D-76676 Graben-Neudorf Telephone: +49(0)7255 99-161, Telefax: +49(0)7255 99-163 (office hours)
- Sales Organization in Austria:
KABE-Farben GmbH Langegasse 31 A-6850 Dornbirn Telephone (office hours): +43 (0)5572-21568 Telefax: +43 (0)5572-20946
- Sales Organization in Poland:
Farby KABE Polska Sp. z o.o., ul. Slaska 88 40-742 Katowice Tel. +48 32 204 64 60, fax +48 32 204 64 66, (office hours) proszkowe@farbykabe.pl
- 1.4 Emergency telephone number
Switzerland: Tox Info Swiss, Telephone: +41 (0)44/251 66 66 Germany: Poisoning emergencies Berlin: +49(0)30-19240 Austria: Poisoning emergencies: +43 (0)1/4064343 Polen: National Poison Information Centre and Clinical Department of Toxicology: +48(42)6579900

02 Hazards identification

- 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008
Void
- 2.2 Label elements
 - Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms
Void
- Signal word
Void
- Hazard statements
EUH210 Safety data sheet available on request.
- 2.3 Other hazards
The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.

03 Composition/information on ingredients

- 3.2 Chemical characterization: Mixtures
- Hazardous components:

CAS Number		%
54553-90-1	phenylimidazoline salt of fenil-imidazolina	1 - <5
	Record number 01-2119453802-40	
	Aquatic Chronic 3 - H412	
- Additional information:
For the wording of the listed risk phrases refer to section 16.



Safety data sheet
according to 1907/2006/EC, Article 31

Version number: 1439911

Revision: 04.04.2021

Printing date: 04.04.2021

PRODUCT : POLYFLEX PES-50-UDS smooth Corona ultra-thin coating interior silk-matt 20

(Contd. of page 1)

04 First aid measures

- 4.1 Description of first aid measures
- General information:
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
In case of unconsciousness place patient stably in side position for transportation.
- After inhalation:
Supply fresh air or oxygen; call for doctor.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Call a doctor immediately.
- After eye contact:
Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
- Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
Alcohol resistant foam, carbon dioxide blanket, water fog.
- For safety reasons unsuitable extinguishing agents:
Full water jet, inert gas under high pressure (e.g. carbon dioxide)
- 5.2 Special hazards arising from the substance or mixture
Fire will produce dense black smoke. Inhalation of decomposition or combustion products can cause serious damage to health. Cool closed containers with sprayed water fog. Do not allow run-off from fire fighting to enter soil, drains, surface or ground water.
- 5.3 Advice for firefighters
Wear autonomous breathing equipment and chemical protection suit.
- Protective equipment:
No special measures required.

06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid generation of dust and keep away from ignition sources. Do not inhale dust. Observe safety regulations (see chapters 7 and 8).
- 6.2 Environmental precautions:
Do not allow to enter soil, drains, surface or ground water. In case of contamination, notify the responsible authorities according to the local laws.
- 6.3 Methods and material for containment and cleaning up:
Pick up mechanically.
- 6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

07 Handling and storage

- 7.1 Precautions for safe handling
Avoid formation of inflammable and explosive dust/air mixtures and do not exceed upper toxic limits. The material can become electrostatically charged: on reloading use only pipes that are earthed. It is recommended to wear antistatic clothing and shoes.
Floors should be of the conducting type. Keep away from all ignition sources. Do not eat, drink or smoke on the job. For personal protective equipment, see chapter 8.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
Observe national regulations. Store in a dry place and not above 25°C. Protect against heat and direct sunshine. Containers which are opened must be carefully resealed and kept upright. Observe label precautions. Provide good ventilation.
- Information about storage in one common storage facility:
Do not store together with alkalis (caustic solutions).
Do not store together with oxidising and acidic materials.
- Further information about storage conditions:
None.
- 7.3 Specific end use(s)

(Contd. on page 3)



Version number: 1439911
Revision: 04.04.2021
Printing date: 04.04.2021

PRODUCT : POLYFLEX PES-50-UDS smooth Corona ultra-thin coating interior silk-matt 20

No further relevant information available.

(Contd. of page 2)

08 Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
Not required.
- Additional information:
The lists valid during the making were used as basis.
MAK: general dust limit 1,25 mg/m³ (A), 10 mg/m³ (E)
- 8.2 Exposure controls
Provide good ventilation by means of suitable local or centralized aspiration equipment. If these are not sufficient to maintain exposure to dusts below the exposure limits, suitable respiratory protection must be worn.
- Personal protective equipment:
 - * General protective and hygienic measures:
 - * Avoid contact with the skin.
 - Respiratory protection: In cases where the occupational exposure limit is exceeded, use the "A/P2" combination filter to protect against organic vapours and gases and against solid/liquid particles of hazardous substances (EN 141).
 - Protection of hands: Chemical-resistant protective gloves (in line with EN374) with long sleeves. The choice of quality and penetration time depends on the specific workplace conditions and must therefore be made in consultation with the glove manufacturer. Instructions on use, storage, care and replacement of gloves must be adhered to. Gloves designed to protect against mechanical risks are not suitable. Use hand cream as a protective skin care measure. Avoid contact with eyes and skin. Immediately wash any areas which have come into contact with the preparation.
 - Eye protection: Wear safety goggles which offer all-round protection of the eyes (EN 166).
 - Body protection: Wear antistatic protective clothing. Care should be taken in the selection of protective clothing to ensure that inflammation or irritation of the skin at neck and wrists through contact with the powder is avoided.
- Risk management measures
Workers must receive adequate information and instruction.

09 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder
Colour:	According to product specifica
Odour:	Weak, characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.

Change in condition

Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not determined.
Ignition temperature:	Dust/air mixture 450-600°C (tested according to VDE 2263)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	Dust/air mixture 20 - 60 g/m ³ (tested according to VDI 2263, ISO 6184)
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density:	1,5500 g/cm ³
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	

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water:	Insoluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
9.2 Other information	
9.2 Additional information	Not available.

10 Stability and reactivity

- 10.1 Reactivity
No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
Risk of dust explosion if enriched with fine dust in the presence of air.
- 10.4 Conditions to avoid
No further relevant information available.
- 10.5 Incompatible materials:
Strong acids, strong bases, strong oxidants.
- 10.6 Hazardous decomposition products:
At high temperatures, hazardous products are generated, such as carbon monoxide, carbon dioxide, nitrogen oxides and smoke.

11 Toxicological information

- 11.1 Information on toxicological effects
For this product experimental data are not available.
- Acute toxicity
- LD/LC50 values relevant for classification:
54553-90-1 phenylimidazoline salt of fenil-imidazolina
Oral, LD50: 7400 mg/kg (rat) Dermal, LD50: >2000 mg/kg (rat)
- Primary irritant effect:
- Skin corrosion/irritation
Powder coatings can cause local skin irritation.
- Serious eye damage/irritation
No irritating effect.
- Respiratory or skin sensitisation
Allergic persons and employees with respiratory complaints should not work with powder coatings.
- Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
- Repeated dose toxicity
This preparation contains low molecular epoxy constituents, which are irritating to eyes, mucous membrane and skin. Repeated contact can have an sensitizing action. Skin contact with the preparation and exposure to spray mist and vapour should be avoided. Symptoms of poisoning may arise only after several hours, therefore medical observation should be maintained for at least 48 hours. In case of unconsciousness, lay in the recovery position, do not give anything by mouth.

12 Ecological information

- 12.1 Toxicity
Experimental data are not available for this product. Do not allow to enter the soil, water, groundwater or the drains.
- Aquatic toxicity:
54553-90-1 phenylimidazoline salt of fenil-imidazolina
LC50/96h: >1000 mg/l (fish) LC50/48h: 125 mg/l (daphnie) LD50/72h: 9.0 mg/l (alga)
- 12.2 Persistence and degradability
No further relevant information available.
- Behaviour in environmental systems:
- 12.3 Bioaccumulative potential
No further relevant information available.
- 12.4 Mobility in soil
No further relevant information available.
- Additional ecological information:
- General notes:
Water hazard class (CH): Meets water hazard class EC.

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Water hazard class 1 EC (Assessment by list): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment

- PBT:

Not applicable.

- vPvB:

Not applicable.

- 12.6 Other adverse effects

No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods

- Recommendation

Disposal according to local regulations. Return of split quantities and remaining, or expired products at a public recycling center for hazardous waste. Also observe the ordinances on movements of waste (OMW) in Switzerland and the Lists of handling waste and European Waste Catalogue (EWC). Switzerland: Empty containers and old paints can be returned to KABE Farben in specific containers. Request our brochure for details.

- * • European waste catalogue/Waste code switzerland

08

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF
COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS
AND PRINTING INKS

08 01

wastes from MFSU and removal of paint and varnish

- * • 08 01 12

- * • waste paint and varnish other than those mentioned in 08 01 11

- Uncleaned packaging:

- Recommendation:

Disposal must be made according to official regulations.

14 Transport information

- 14.1 UN-Number

ADR Void

IMDG Void

IATA Void

- 14.2 UN proper shipping name

ADR Void

IMDG Void

IATA Void

- 14.3 Transport hazard class(es)

ADR

Class Void

IMDG

Class Void

IATA

Class Void

- 14.4 Packing group

ADR Void

IMDG Void

IATA Void

- 14.5 Environmental hazards:

Not applicable.

- 14.6 Special precautions for user

Not applicable.

- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

GB

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PRODUCT : POLYFLEX PES-50-UDS smooth Corona ultra-thin coating interior silk-matt 20*(Contd. of page 5)***15 Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- National regulations:
- Classification according to VbF:
—
- Technical instructions (air):
- Class Share in %
III 0,06
- Waterhazard class:
Water hazard class 1 (Assessment by list): slightly hazardous for water.
- 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16 Other information

The information in this safety data sheet correspond the present state of our knowledge. We have, however, no knowledge of or control over the working conditions of the user. The product may not be used for purposes other than those stated in chapter 1 without prior written consent. The user is responsible for compliance with all necessary legal regulations. The information in this safety data sheet describes the safety requirements for our product and does not represent a guarantee of product properties.

- Relevant phrases
H412 Harmful to aquatic life with long lasting effects.
- Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.



VSLF
VERBAND SCHWEIZERISCHER
LACK- UND FARBENFABRIKANTEN

USVP
UNION SUISSE DES FABRICANTS
DE VERNIS ET PEINTURES

VSLF Product Declaration

for paints and coatings

Date: 14.06.2021

Company: Karl Bubenhofer AG, Hirschenstrasse 26, CH-9201 Gossau,

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Switzerland

1.1. Product: 12698 POLYFLEX PES-50-UDS smooth Corona
ultra-thin coating interior silk-matt 20 9

1.2. Color: RAL 9005

1.3. Description/use:

Coating material for powder coating

wt %

2. Binder

Polyester resin

19.6 - 28.8

Epoxy resin

50.2 - 76.8

Dibenzoyl peroxide hardener

.....

Matting agent, organic salt

4.0 - 6.0

3. Pigments

3.2. Organic pigments

Carbon black

0.6 - 1.0

4. Extender

Calcium carbonate

7.4 - 12.2

Aluminium oxide

0.1 - 0.1

6. Additives

6.3. Other additives

Stearates

.....

Polyethylene / Polypropylene

0.32 - 0.48

Flow agent

0.72 - 1.08

The summation of all components amounts to 100 percent.