

Chips and Compounds

Process media for perfect surface finishing

process media



SPALECK
Oberflächentechnik

30

60

90

120

150

180


Compounds for all surface finishing requirements

Liquid compounds

Compound	Metals						Range of application								pH-value (L%)	
	Steel/Iron	Stainless steel	Aluminium	Copper	Zinc	Brass	Deburring	Rough and fine grinding	Smoothing	Polishing	Ball burnishing	Degreasing	Descaling	Passivating		Recycling
D-440-U Acid pickling compound for descaling	▲	▲	▲	▲		▲			▲	▲	▲		▲			1,5
D-870-S Cleaning compound with excellent corrosion protection	▲	▲					▲	▲	▲	▲		▲		▲	▲	8,9
D-770-S Effective cleaning and antirust compound	▲	▲	▲	▲		▲	▲	▲	▲	▲		▲		▲		8,7
D-771-S Degreasing compound with effective corrosion inhibitors	▲	▲		▲		▲	▲	▲	▲			▲		▲		8,9
D-780-S Prooved cleaning, antirust compound	▲	▲					▲	▲				▲	▲	▲	▲	7,9
D-550-Z Special product with highly effective substances for the treatment of zinc, zamac and ferrous metals	▲		▲	▲	▲	▲	▲	▲	▲	▲		▲		▲		8,8
D-772-S Degreasing compound, preferably used for copper	▲	▲		▲			▲	▲	▲			▲		▲		9,5
D-451-B Slightly acid compound for polishing and cleaning			▲	▲		▲			▲	▲	▲	▲		▲		4,3
D-670-U Excellent cleaning and polishing compound	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		▲	▲	8,6
D-551-B Compound with lightning and good cleaning effects		▲	▲	▲		▲			▲	▲	▲	▲				3,0
D-552-E Polishing compound with lightning effect		▲	▲	▲		▲	▲	▲	▲	▲	▲	▲	▲			4,5

We offer further compounds, especially for your application.

Cycle compounds



Compound	Metals						Range of application								pH-value (L%)	
	Steel/Iron	Stainless steel	Aluminium	Copper	Zinc	Brass	Deburring	Rough and fine grinding	Smoothing	Polishing	Ball burnishing	Degreasing	Descaling	Passivating		Recycling
K-770-U Universal compound with little foam and good corrosion protection	▲	▲	▲	▲	▲	▲	▲	▲	▲			▲		▲	▲	9,1
K-890-S Absolutely low foam corrosion protection compound, also suitable for very oily parts	▲	▲	▲				▲	▲	▲			▲	▲	▲	▲	9,6
K-780-U Universal compound with especially effective cleaning agents	▲	▲	▲	▲	▲	▲	▲	▲	▲			▲		▲	▲	9,0
K-860-S Universal compound for special requirements as to corrosion protection	▲	▲	▲	▲	▲	▲	▲	▲	▲			▲		▲	▲	8,7

Spaleck will be of assistance to determine the appropriate compound!

▲ = suitable ▲ = partly suitable

Solid compounds

Compound	
F-470-S	Special compound for mirror finish polishing of steel parts with the IDU process
F-970-S	Excellent corrosion protection and degreasing
F-790-U	Degreasing and corrosion protection compound
F-780-U	Universal compound

Additives



X-442-U

X-440-U

X-441-U

Metals	Range of application							pH-value (1%)		
Steel/Iron Stainless steel Aluminium Copper Zinc Brass	Deburring	Rough and fine grinding	Smoothing	Polishing	Ball burnishing	Degreasing	Descaling	Passivating	Recycling	
▲			▲	▲		▲	▲			1,6
▲	▲	▲					▲		▲	12,2
▲	▲	▲					▲		▲	12,5
▲	▲	▲	▲	▲					▲	9,1

Cleaning agent with biocide effect, avoiding or removing bacteria attacks

Defoaming agent with good defoaming effect

Highly effective, silicone-free defoaming agent

Grinding pastes

Paste	
9040	medium-strong grinding
9056	very strong grinding
9060	polishing paste
9075	medium-strong grinding
9077	strong grinding
8010	all-purpose compound
8020	all-purpose polishing powder with low abrasive power

Metals	Range of application			
Steel/Iron Stainless steel Aluminium Copper Zinc Brass	Rough grinding	Fine grinding	Smoothing / lightning	Polishing
▲	▲		▲	▲
▲	▲			
▲	▲	▲	▲	▲
▲	▲	▲	▲	
▲	▲		▲	
▲	▲	▲	▲	▲
▲	▲			
▲	▲		▲	▲

Grinding additives



E - 60

E - 180

BM

THM

Separation aid media for an optimum treatment of flat parts, sticking together due to adhesion.

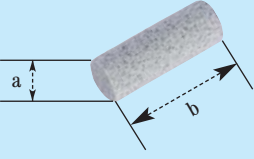
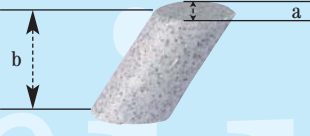
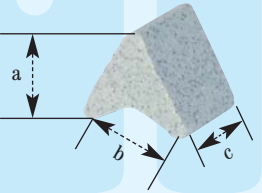
Waste water cleaning / Recycling

SPALECK offers numerous different flocculants for a continuous cycle as well as for the treatment of your effluents in a SPALECK FINISH waste water treatment plant, type GAB. In order to determine the optimum flocculant please contact the people in our lab, they are available to assist you at any time!

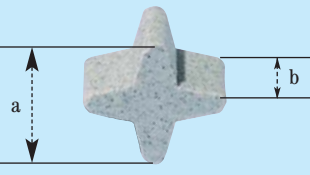
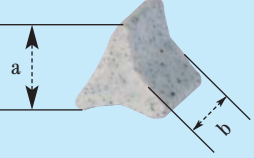
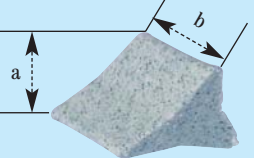


Chips for perfect surface finishing


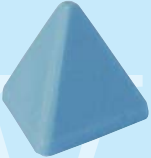

Ceramic media

Type		A	B	C	D	E
cutting force		little	medium	strong	very strong	extra strong
surface obtained		very smooth	fine - medium	medium	medium - coarse	medium
		a b	a b a b	a b a b	a b a b	a b
Triangle D		4 x 4	4 x 4 30 x 30	4 x 4 30 x 30	4 x 4 30 x 30	6 x 6
		6 x 6	6 x 6 20 x 12	6 x 6 10 x 6	6 x 6 10 x 6	10 x 10
		8 x 8	8 x 8	8 x 8 10 x 10	8 x 8 10 x 10	15 x 15
		10 x 10	10 x 10	10 x 10 15 x 12	10 x 10 15 x 12	20 x 20
		13 x 13	13 x 13	13 x 13 20 x 12	13 x 13 20 x 12	25 x 25
		15 x 15	15 x 15	15 x 15 20 x 16	15 x 15 20 x 16	40 x 40
		20 x 20	20 x 20 30 x 25	20 x 20 30 x 25	25 x 25	
		25 x 25	25 x 25 40 x 40	25 x 25 40 x 40	25 x 25	
Triangle (round edges) D - R		a b	a b	a b	a b	a b
		6 x 6	6 x 6	6 x 6	6 x 6	10 x 10
		10 x 10	8 x 8	8 x 8	8 x 8	13 x 13
			10 x 10	10 x 10	10 x 10	15 x 15
		13 x 13	13 x 13	13 x 13		
		15 x 15	15 x 15	15 x 15		
Angle-cut triangle D - S		a b	a b a b	a b a b	a b	a b
		6 x 12	4 x 10 20 x 30	4 x 10 20 x 23	10 x 15	6 x 12
		4 x 10	6 x 10 25 x 25	6 x 10 25 x 25	15 x 18	10 x 20
			8 x 20 25 x 32	8 x 20 25 x 32	20 x 30	15 x 18
			10 x 15	10 x 15	25 x 32	25 x 30
			10 x 20	10 x 20		
		13 x 26	13 x 26			
		15 x 18	15 x 18			
		15 x 25	15 x 25			
Cylinder Z			a b	a b	a b	
			5 x 8	6 x 8	6 x 8	15 x 40
			6 x 8	6 x 8	6 x 14	
			6 x 14	7 x 13	7 x 13	
			7 x 13	10 x 16	10 x 16	
		10 x 16	12 x 16			
		10 x 20	15 x 40			
		12 x 16				
Angle-cut cylinder ZS		a b	a b a b	a b a b	a b	a b
		4 x 10	3 x 5 15 x 30	3 x 5 15 x 30	4 x 10	4 x 10
		6 x 13	3 x 10 20 x 40	3 x 10 20 x 40	7 x 15	7 x 15
			4 x 10	4 x 10	10 x 20	10 x 20
			5 x 10	5 x 10	15 x 30	15 x 30
			6 x 13	6 x 13		
			7 x 15	7 x 15		
			10 x 20	10 x 20		
		12 x 20	12 x 20			
Arrowhead W		a b c	a b c	a b c	a b c	
		10 x 10 x 10	10 x 10 x 10	10 x 10 x 10	10 x 10 x 10	
			15 x 15 x 15	15 x 15 x 15	15 x 15 x 15	
			20 x 20 x 20	20 x 20 x 20	20 x 20 x 20	
Ellipse E		a b c	a b c	a b c	a b c	a b c
		15 x 6 x 15	15 x 6 x 15	15 x 6 x 15	15 x 6 x 15	15 x 6 x 15
		20 x 8 x 20	20 x 8 x 20	20 x 8 x 20	20 x 8 x 20	20 x 8 x 20
Angle-cut ellipse ES		a b c	a b c	a b c	a b c	
		15 x 6 x 15	15 x 6 x 15	15 x 6 x 15	15 x 6 x 15	
		20 x 8 x 20	20 x 8 x 20	20 x 8 x 20	20 x 8 x 20	

Other dimensions upon request!

	Type	A	B	C	D	E
	cutting force	little	medium	strong	very strong	extra strong
	surface obtained	very smooth	fine - medium	medium	medium - coarse	medium
Star S		a b	a b	a b	a b	
		22 x 12	22 x 12	22 x 12	22 x 12	
		30 x 12	30 x 12	30 x 12	30 x 12	
		35 x 12	35 x 12	35 x 12	35 x 12	
		45 x 16	45 x 16	45 x 16	45 x 16	
Tristar T		a b	a b	a b	a b	
		6 x 6	6 x 6	6 x 6	6 x 6	
		10 x 10	10 x 10	10 x 10	10 x 10	
			20 x 20		20 x 20	
Angle-cut tristar TS		a b	a b	Example for order placing: Triangle, angle-cut, type B, height: 10mm, length: 20mm B 10 x 20 DS Packing units: plastics bags of 25 kg		
		6 x 10	6 x 10			
		10 x 12	10 x 12			
			15 x 18			





Plastic media

	Type	KA	KB	KC	KD	KC-,ultra“
	cutting force	little	medium	strong	very strong	medium
	surface obtained	very smooth	smooth	medium	medium	smooth
Cone K		10	10	10	12	12
		12	12	12	20	20
		20	20	20	25	25
		25	25	25	30	30
		30	30	30	40	40
		40	40	40	50	50
Tetrahedron P		10	10	10	10	10
		25	25	25	25	25
		30	30	30	30	30
		40	40	40	40	40
		60	60	60		60
Trident tetrahedron PDZ			20	20		20
			30	30		30
			40	40		40
			60	60		60
Paraboloid PA		30	30	Example for order placing: Cone, type KB, Dimensions: 30mm KB 30 K Packing units: plastic bags of 25 kg		
		40	40			
		50	50			
			60			




Media to obtain an extremely high lusted finish

Polishing media

	Type	Designation	Sizes	Description
Granulate		Micro-Finish-Chips	Grain	Special abrasive and polishing media to obtain an extremely high polish at a minimum wear rate. Particularly advantageous when used with centrifugal finishing machines. Ideally suited for steel alloys (hardened). Packing units: bags of 25 kg
		MF 1	3,5 – 5,0	
		MF 2	5,0 – 6,0	
		MF 2,5	6,0 – 8,0	
		MFF 1	3,0 – 4,0	
		MFF 2	4,0 – 5,0	
Pre-shaped forms		Pre-shaped polishing media	upon request	Pre-shaped polishing media made of porcelaine with a very low wear rate for smooth surfaces, for use in special processes. Packing units: bags of 25 kg
		P – D (triangle)		
		P – DS (angle-cut triangle)		
		P – ZS (angle-cut cylinder)		
Cylinders		Polishing cylinders	D L	These polishing cylinders consist of high efficiency porcelaine. When used in conjunction with pastes or compounds, a high burnish can be obtained on metal as well as on plastic surfaces. Packing units: bags of 25 kg
		PH 1,7 Z	approx. 1,7 x 5,2	
		PH 2,5 Z	approx. 2,5 x 8,0	
		PH 4,0 Z	approx. 4,0 x 14,0	
		PH 5,0 Z	approx. 5,0 x 14,0	
			further dimensions available upon request	
Balls Satellites		Burnishing media	D D H	To obtain high lustre finishes or for deburring. Suitable for all ferrous and non-ferrous metals in vibrators, centrifugal and barrel finishing machines. The steel polishing media is made of stainless steel (material no. 1.4034, further mat. nos. upon request). Packing units: boxes of 10 kg
			2,5 5 x 3	
			3,1 7 x 5	
			4,0 9 x 6	
			Balls Satellites	

Drying media

	Type	Designation	Sizes	Description
Granulate		Drying granulate		GM drying granulate is a corn cellulose product, free from resin or acids, with little dust generation. It is utilised as a drying medium after a surface finishing process, it is highly absorbent, wear-resistant and can be regenerated. Combined with pastes, it is particularly advantageous for colouring, burnishing and polishing processes. Packing units: paper bags of 20 kg
		GM – 6	4,0 – 3,15	
		GM – 8	3,15 – 2,0	
		GM – 12	2,0 – 1,5	
		GM – 16	1,5 – 1,18	
		GM – 20	1,18 – 0,71	
		GM – 30	0,50 – 0,71	

SPALECK - the service

Entrust us with your parts!

In our well-equipped process facilities we offer free surveys to determine the best process available for the treatment of your parts.

Come and visit us and witness for yourself, how the best finishing solution is attained.

We furnish proof: SPALECK FINISH offers optimum solutions.

Any questions left? Give us a call or write to us. We will be happy to be of service!



Machines:

- ▲ Roundtub vibrators
- ▲ Centrifugal finishers
- ▲ Throughfeed vibrators
- ▲ Tumbling barrels
- ▲ Finishing barrels
- ▲ Vibratory driers
- ▲ Hot air tunnel driers
- ▲ Magnetic separators
- ▲ Loading and unloading units
- ▲ Sound insulating systems
- ▲ Effluent treatment
- ▲ Recycling systems
- ▲ Fully automatic plants
- ▲ Standard machines
- ▲ Conveying and separation systems

Media:

- ▲ Abrasives
- ▲ Compounds
- ▲ Drying granulates
- ▲ Polishing media

Service:

- ▲ Sample treatment – free of charge
- ▲ Application consulting
- ▲ Process technology
- ▲ Engineering
- ▲ Waste water analyses
- ▲ Service on location
- ▲ Maintenance contracts

