

Chips and Compounds

Process media for perfect surface finishing



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30

60

90

120

150

180

Compounds for all surface finishing requirements

Liquid compounds

| Compound | Steel/Iron | Stainless steel | Aluminium | Copper | Zinc | Brass | Deburring Rough and fine grinding | Smoothing | Polishing | Ball burnishing | Degreasing | Descaling | Passivating | Recycling | pH-value (1%) |
|--|------------|-----------------|-----------|--------|------|----------------------|--------------------------------------|-----------|-----------|-----------------|------------|-----------|-------------|-----------|---------------|
| Metals | | | | | | Range of application | | | | | | | | | |
| 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 |

Cycle compounds

| Compound | Steel/Iron | Stainless steel | Aluminium | Copper | Zinc | Brass | Deburring Rough and fine grinding | Smoothing | Polishing | Ball burnishing | Degreasing | Descaling | Passivating | Recycling | pH-value (1%) |
|--|------------|-----------------|-----------|--------|------|----------------------|--------------------------------------|-----------|-----------|-----------------|------------|-----------|-------------|-----------|---------------|
| Metals | | | | | | Range of application | | | | | | | | | |
| 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 |

We offer further compounds, especially for your application.

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

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

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

Grinding additives



E - 60

E - 180

BM

THM

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

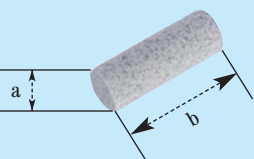
Waste water cleaning / Recycling

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!


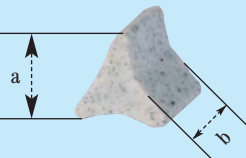
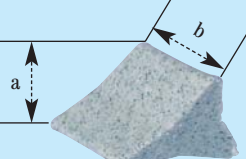

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Chips for perfect surface finishing


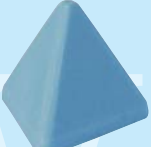
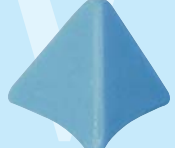

Ceramic media

| | 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 |
| Triangle D |  | a b | a b a b | a b a b | a b a b | a b |
| | | 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 10 |
| | | 8 x 8 | 8 x 8 | 8 x 8 10 x 10 | 8 x 8 | 15 x 15 |
| | | 10 x 10 | 10 x 10 | 10 x 10 15 x 12 | 10 x 10 | 20 x 20 |
| | | 13 x 13 | 13 x 13 | 13 x 13 20 x 12 | 13 x 13 | 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 | 10 x 10 | 10 x 10 |
| | | 10 x 10 | 8 x 8 | 8 x 8 | 13 x 13 | 15 x 15 |
| | | | 10 x 10 | 10 x 10 | 15 x 15 | |
| | | | 13 x 13 | 13 x 13 | | |
| | | | 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 | | |
| Cylinder Z |  | | a b | a b | a b | |
| | | | 5 x 8 | 6 x 8 | 15 x 40 | |
| | | | 6 x 8 | 6 x 14 | | |
| | | | 6 x 14 | 7 x 13 | | |
| | | | 7 x 13 | 10 x 16 | | |
| | | | 10 x 16 | 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 |
| | | | 5 x 10 | 5 x 10 | | 15 x 30 |
| | | | 6 x 13 | 6 x 13 | | |
| 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 22 x 12 30 x 12 35 x 12 45 x 16 | a b 22 x 12 30 x 12 35 x 12 45 x 16 | a b 22 x 12 30 x 12 35 x 12 45 x 16 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Tristar T |  | a b 6 x 6 10 x 10 | a b 6 x 6 10 x 10 20 x 20 | a b 6 x 6 10 x 10 20 x 20 | a b 6 x 6 10 x 10 20 x 20 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Angle-cut tristar TS |  | a b 6 x 10 10 x 12 | a b 6 x 10 10 x 12 15 x 18 | 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 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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 12 20 25 30 40 | 10 12 20 25 30 40 50 | 10 12 20 25 30 40 50 | 12 20 25 30 40 | 12 20 25 30 40 50 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Tetrahedron P |  | 10 25 30 40 60 | 10 25 30 40 60 | 10 25 30 40 60 | 10 25 30 40 | 10 25 30 40 60 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Trident tetrahedron PDZ |  | | 20 30 40 60 | 20 30 40 60 | | 20 30 40 60 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Paraboloid PA |  | 30 40 50 | 30 40 50 60 | Example for order placing: Cone, type KB, Dimensions: 30mm KB 30 K Packing units: plastic bags of 25 kg | | 30 40 50 60 |
| | | | | | | |
| | | | | | | |
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Media to obtain an extremely high lustred 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) | | |
| | P – EL (ellipse) | | |
| 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 | |



Processing media – high quality and profitability



SPALECK FINISH abrasives, compounds and processing media meet highest requirements for an optimum surface finishing. They excel by first-class quality, high rentability and good environmental compatibility.

Manufacturing is accompanied by continuous innovation and testing of new methods with most modern production procedures and well-aimed quality assurance. A comprehensive storage of the large range of products as well as different supply stocks assure a quick supply of our customers.



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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



SPALECK
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SPALECK Oberflächentechnik GmbH + Co. KG
Postfach 2253 · D-46372 Bocholt
Schlavenhorst 117 · D-46395 Bocholt
Telefon +49 (0) 28 71 / 95 00-0
Telefax +49 (0) 28 71 / 95 00-95
www.spaleck.biz · info@spaleck.biz