

microdiamant

**SPLENDIS**  
**Universal-use diamond slurries**  
Product range

# SPLENDIS universal-use diamond slurries

Versatile. Ready-to-use. Cost efficient.

Made by Microdiamant. Available from stock.

## SPLENDIS Highlights

- Universal-use formulation suits most lapping and polishing applications
- Suspended diamond abrasive, long shelf life
- Precision graded diamond, grit sizes from 0.1 to 15 micron
- Produced by Microdiamant, using first quality, certified ingredients
- Competitive pricing due to large volume manufacturing
- Available from stock

Oil-based diamond slurry

### Slurry type

### SPLENDIS O/P

### SPLENDIS O/M

Special characteristics

Polycrystalline diamond, oil-based carrier liquid, high removal rate.

Monocrystalline diamond, oil-based carrier liquid, cost-effective.

Carrier liquid

oil-based

oil-based

Diamond type

DP polycrystalline diamond powder, precision size range

MSY monocrystalline diamond powder precision size range

Viscosity

30 cP

30 cP

Stability

stabilized

stabilized

pH value

N/A

N/A

Health & Eco friendly

-

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Applications

High-performance lapping and polishing of ultra-hard and hard materials such as sapphire, hard ceramics or corrosion sensitive materials.

Lapping and polishing of various materials, oil-based carrier liquid specially suited for corrosion sensitive materials.

**The ready-to-use advantage**

Microdiamant ready-to-use diamond slurries help you achieve consistently high performance while minimizing total process cost. Our constant innovation on carrier liquid formulations means you get the latest technology to exploit the full power of Microdiamant’s precision diamond. Performance enhancing additives increase removal rates. Stabilizers prevent diamond sedimentation, which simplifies handling and maximizes process stability. Proprietary dispersion technology prevents surface defects caused by diamond agglomerates. All diamond slurries are carefully engineered to be ecologically friendly and to meet highest work safety standards.

Water soluble diamond slurry	
<b>SPLENDIS W/P</b>	<b>SPLENDIS W/M</b>
Polycrystalline diamond, water-based carrier liquid, good cleaning properties.	Monocrystalline diamond, water-based carrier liquid, good cleaning properties, cost-effective.
water-based	water-based
DP polycrystalline diamond powder, precision size range	MSY monocrystalline diamond powder, precision size range
size < 1 µm = 300 cP size > 1 µm = 60 cP	size < 1 µm = 300 cP size > 1 µm = 60 cP
stabilized	stabilized
8.5	8.5
	
High-performance lapping and polishing of hard and ultra-hard materials, good cleaning properties.	Economic lapping and polishing of various materials, such as metals and ceramics, good cleaning properties.

## How to choose the right SPLENDIS product

**SPLENDIS O** slurries offer superior lapping and polishing performance. Engineered for use on metal lapping plates, SPLENDIS O is the preferred choice to achieve precision surfaces at the highest material removal rate.

**SPLENDIS W** is the perfect general-use slurry family. The formulation is designed for use on metal lapping plates as well as on polishing pads. SPLENDIS W diamond slurries achieve excellent surface quality at high performance. Work piece handling and cleaning is easy. All SPLENDIS W products meet highest standards for work safety and are environmentally friendly.

**SPLENDIS .../P** Polycrystalline diamond features a rough, micro-structured particle surface with numerous contact points between the particle and work piece. It is the first choice for high-performance lapping of very hard materials such as sapphire, ceramics or hard metals, as well as for polishing processes on soft polishing pads.

**SPLENDIS .../M** Monocrystalline diamond is a popular choice for general lapping and polishing applications. It is widely used for not extremely hard materials such as ceramics, metals, diamond wire dies and gemstones.

### Order information

SPLENDIS O/P 6 micron  
Qty 5 ltr

### Packing unit

Bottles 1 ltr

### Quantity unit

liter (ltr)

### Orders

Tel +41 71 686 60 60

Fax +41 71 686 60 70

sales@microdiamant.com

Slurry type	Size	Order code
<b>SPLENDIS O/P</b>		
oil-based carrier liquid	0.1 µm	SPLENDIS O/P 0.1 micron
	0.25 µm	SPLENDIS O/P 0.25 micron
	0.5 µm	SPLENDIS O/P 0.5 micron
polycrystalline diamond	1 µm	SPLENDIS O/P 1 micron
	3 µm	SPLENDIS O/P 3 micron
	6 µm	SPLENDIS O/P 6 micron
	9 µm	SPLENDIS O/P 9 micron
	15 µm	SPLENDIS O/P 15 micron
<b>SPLENDIS O/M</b>		
oil-based carrier liquid	0.1 µm	SPLENDIS O/M 0.1 micron
	0.25 µm	SPLENDIS O/M 0.25 micron
	0.5 µm	SPLENDIS O/M 0.5 micron
monocrystalline diamond	1 µm	SPLENDIS O/M 1 micron
	3 µm	SPLENDIS O/M 3 micron
	6 µm	SPLENDIS O/M 6 micron
	9 µm	SPLENDIS O/M 9 micron
	15 µm	SPLENDIS O/M 15 micron
<b>SPLENDIS W/P</b>		
water-based carrier liquid	0.1 µm	SPLENDIS W/P 0.1 micron
	0.25 µm	SPLENDIS W/P 0.25 micron
	0.5 µm	SPLENDIS W/P 0.5 micron
polycrystalline diamond	1 µm	SPLENDIS W/P 1 micron
	3 µm	SPLENDIS W/P 3 micron
	6 µm	SPLENDIS W/P 6 micron
	9 µm	SPLENDIS W/P 9 micron
	15 µm	SPLENDIS W/P 15 micron
<b>SPLENDIS W/M</b>		
water-based carrier liquid	0.1 µm	SPLENDIS W/M 0.1 micron
	0.25 µm	SPLENDIS W/M 0.25 micron
	0.5 µm	SPLENDIS W/M 0.5 micron
monocrystalline diamond	1 µm	SPLENDIS W/M 1 micron
	3 µm	SPLENDIS W/M 3 micron
	6 µm	SPLENDIS W/M 6 micron
	9 µm	SPLENDIS W/M 9 micron
	15 µm	SPLENDIS W/M 15 micron

All information is non-binding and provided for information purposes only. Subject to change without notice.

## UK & Ireland Distributor

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