

# DIAMOND PRODUCTS

Diamond, due to its exceptional hardness and cutting capacity, has become the first choice abrasive in metallographic polishing.

Diamonds for metallographic grinding and polishing are available in two different crystalline shapes: Polycrystalline (P) and Monocrystalline (M). Polycrystalline diamonds provide vast numbers of small cutting edges. In the metallographic preparation process these edges result in high material removal, while producing only a shallow scratch depth.

Monocrystalline diamonds are more block-shaped and provide few cutting edges. These diamonds give high material removal with a more variable scratch pattern. For high requirements, the (P)-type diamonds are chosen. The (M) type diamonds are best suited for all-purpose polishing.

METKON offers diamond products in three forms; diamond paste, diamond suspension and two in one products; a perfect mixture of diamond suspension & lubricant.

## DIAMOND PASTES

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-301-M	DIAPAT-M	Water-Based	0,25 Micron	10 gr. syringe
39-311-M	DIAPAT-M	Water-Based	1 Micron	10 gr. syringe
39-321-M	DIAPAT-M	Water-Based	3 Micron	10 gr. syringe
39-331-M	DIAPAT-M	Water-Based	6 Micron	10 gr. syringe
39-341-M	DIAPAT-M	Water-Based	9 Micron	10 gr. syringe

## DIAMOND PASTES

Polycrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-301-P	DIAPAT-P	Water-Based	0,25 Micron	10 gr. syringe
39-311-P	DIAPAT-P	Water-Based	1 Micron	10 gr. syringe
39-321-P	DIAPAT-P	Water-Based	3 Micron	10 gr. syringe
39-331-P	DIAPAT-P	Water-Based	6 Micron	10 gr. syringe
39-341-P	DIAPAT-P	Water-Based	9 Micron	10 gr. syringe

## DIAMOND SUSPENSIONS

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-400-M	DIAPAT-M	Water-Based	0,25 Micron	250 ml. pump bottle
39-410-M	DIAPAT-M	Water-Based	1 Micron	250 ml. pump bottle
39-420-M	DIAPAT-M	Water-Based	3 Micron	250 ml. pump bottle
39-430-M	DIAPAT-M	Water-Based	6 Micron	250 ml. pump bottle
39-440-M	DIAPAT-M	Water-Based	9 Micron	250 ml. pump bottle
39-411-M	DIAPAT-M	Water-Based	1 Micron	1 lt. bottle
39-421-M	DIAPAT-M	Water-Based	3 Micron	1 lt. bottle
39-431-M	DIAPAT-M	Water-Based	6 Micron	1 lt. bottle

## DIAMOND SUSPENSIONS

Polycrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-400-P	DIAPAT-P	Water-Based	0,25 Micron	250 ml. pump bottle
39-410-P	DIAPAT-P	Water-Based	1 Micron	250 ml. pump bottle
39-420-P	DIAPAT-P	Water-Based	3 Micron	250 ml. pump bottle
39-430-P	DIAPAT-P	Water-Based	6 Micron	250 ml. pump bottle
39-440-P	DIAPAT-P	Water-Based	9 Micron	250 ml. pump bottle

## DIAMOND 2 IN 1 PRODUCT

Monocrystalline

Order No	Code	Type	Diamond Mic.	Quantity
39-510-M	DUOPAT-M	Water-Based	1 Micron	500 ml. bottle with sprayer
39-520-M	DUOPAT-M	Water-Based	3 Micron	500 ml. bottle with sprayer
39-530-M	DUOPAT-M	Water-Based	6 Micron	500 ml. bottle with sprayer
39-540-M	DUOPAT-M	Water-Based	9 Micron	500 ml. bottle with sprayer

## DIAMOND LUBRICANT

Order No:	Code	Type	Quantity
39-502	DIAPAT	Water-Based	1.0 lt. bottle