

*texturizer, filler, anti-caking agent*

## Application Sheet

Micapoly® is a range of surface treated mica powders. Micapolys® are suitable for all loose and pressed powder applications, in which they function as texturizers and fillers. They also have an anti-caking effect. Micapolys® are available in a wide range of surface treatments so they allow to formulate products with various functionalities. Due to the selection of surface treatments, Micapolys® complement our Colourmat® colours.

Micapolys® have good skin adherence as they are platelet shaped particles. Micapolys® are available in two sizes, 10 and 20 microns. Micapolys® give a sheer application, and depending on the particle size, the appearance is either matte or luminous.

Trade Name	INCI Name
Micapoly® WL 10 DF	Mica (and) Hydrogenated Polyisobutene (and) Dimethicone
Micapoly® WL 10 FLWJ	Mica (and) Soy Amino Acids (and) Jasminum Officinale (Jasmine) Flower Wax
Micapoly® WL 10 HB	Mica (and) Dimethicone
Micapoly® WL 10 LL	Mica (and) Lauroyl Lysine
Micapoly® WL 10 LVS	Mica (and) Zea Mays (Corn) Starch (and) Hydrogenated Lecithin (and) Hydrogenated Meadowfoam Seed Oil (and) Squalane
Micapoly® WL 10 MSL	Mica (and) Sorbitan Stearate (and) Glycoproteins (and) Isododecane
Micapoly® WL 10 PUR	Mica
Micapoly® WL 10 SIL	Mica (and) Methicone
Micapoly® WL 10 TZ	Mica (and) Sodium C8-16 Isoalkylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate
Micapoly® WL 10 ZP	Mica (and) Corn Starch Modified (and) Polyquaternium-10 (and) Phenoxyethanol (and) Methylparaben (and) Butylparaben (and) Ethylparaben (and) Propylparaben (and) Isobutylparaben

These Micapoly® products are 10 micron sized (WL 10), but they are also available in 20 micron size (WL 20). In addition to standard sizes and surface treatments, Micapolys® can be custom tailored according to customer requests.

Information on the surface treatments is available on our separate surface treatment guide.

### Benefits

- good skin adherence
- sheer application
- choice of matte or luminous finish
- easy to formulate with

### Properties

- platelet shape
- composite structure
- 10 or 20 micron size
- hydrophobic, hydrophilic or omniphilic depending on surface treatment
- heat stable



## Application Areas

### Colour Care

Micapolys® are used in powder applications such as powders, blushers and eye shadows. Micapolys® function well in both loose and pressed applications. In loose powders Micapolys® improve skin adherence, and they impart anti-caking effect. In pressed powder application Micapolys® enhance pressability. Micapolys® can also be used in foundations.

## Formulating

Micapolys® are easy to formulate with. Due to their surface characteristics, they disperse easily. Micapolys® do not need high shear mixing, but if it is needed for any other ingredients, it won't harm the Micapolys®.

### Foundations

Micapolys® are suitable for foundations, but not for emulsions without pigments, as Micapolys® tend to appear greyish when mixed into emulsions. Micapolys® should be dispersed in the oil phase, except for Micapoly® TZ, which can be dispersed also in the water phase, and Micapoly® MSL and ZP, which should be dispersed only in the water phase. Micapolys® are not heat sensitive and they tolerate homogenizing well.

### Powder Applications

Micapolys® should be added to the powder base before colour shading and the addition of binders. Micapoly® products do not need to be grinded; they can be added and mixed in the formulation directly. If grinding is needed for other ingredients, this is not harmful for the Micapolys®.

Typical use level: 10-20%

Packaging: 25 kg sealed aluminium bag in cardboard box