

Application Sheet

Colourmat® is a range of colour composites based on muscovite mica and various surface treatments. Colourmat® products are platelet shaped particles giving good skin adherence. As the particles are platelet shaped and sized between 10-20 microns, Colourmats® provide a matte appearance upon application.

Trade Name	INCI Name
Colourmat® DF	Mica (and) Hydrogenated Polyisobutene (and) Dimethicone
Colourmat® FLWJ	Mica (and) Soy Amino Acids (and) Jasminum Officinale (Jasmine) Flower Wax
Colourmat® HB	Mica (and) Dimethicone
Colourmat® LL	Mica (and) Lauroyl Lysine
Colourmat® LVS	Mica (and) Zea Mays (Corn) Starch (and) Hydrogenated Lecithin (and) Hydrogenated Meadowfoam Seed Oil (and) Squalane
Colourmat® MSL	Mica (and) Sorbitan Stearate (and) Glycoproteins (and) Isododecane
Colourmat® SIL	Mica (and) Methicone
Colourmat® TZ	Mica (and) Sodium C8-16 Isolkylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate
Colourmat® ZP	Mica (and) Corn Starch Modified (and) Polyquaternium-10 (and) Phenoxyethanol (and) Methylparaben (and) Butylparaben (and) Ethylparaben (and) Propylparaben (and) Isobutylparaben (+/-) CI 15850 (Red 7 Lake) (or) CI 77499 (Iron Oxides) (or) CI 77007 (Ultramarines) (or) CI 77266 (Black 2) (or) CI 75470 (Carmine) (or) CI 45410 (Red 27 Lake) (or) CI 15850 (Red 7 Lake) (or) CI 77289 (Chromium Hydroxide Green) (or) CI 77288 (Chromium Oxide Green) (or) CI 77510 (Ferric Ferrocyanide) (or) CI 17200 (Red 33 Lake) (or) CI 15985 (Yellow 6 Lake) (or) CI 42090 (Blue 1 Lake) (or) CI 15850 (Red 6 Lake) (or) CI 77491 (Iron Oxides) (or) CI 19140 (Yellow 5 Lake) (or) CI 77742 (Manganese Violet) (or) CI 77891 (Titanium Dioxide) (or) CI 77492 (Iron Oxides)

In addition to the standard colours and surface treatments, custom tailored Colourmat® products are available upon request.

Information on the surface treatments is available on our separate surface treatment guide. To see the full range of colours available, please refer our product catalogue or web site.

Benefits

- good skin adherence
- easy to formulate with
- does not need grinding
- wide choice of surface treatments
- functionalities from soft skin feel and ease of application to long lasting mattness

Properties

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



Application Areas

Colour Care

Colourmat® products are ideal for long lasting colour care applications as they have good skin adherence. Colourmats® can be used in all types of foundations and in powder applications, such as loose and pressed powders, blushers and eye shadows.

Depending on the choice of surface treatment, different functionalities and sensorial perceptions can be achieved. Colourmats® can replace conventional pigments in formulations, but they need to be used at a slightly higher percentage. Our Micapoly® range offers similar composite materials as the Colourmats®, but without the pigments, so they can be used as fillers alongside with the Colourmat® colourants.

Formulating

Colourmat® products have hydrophobic surface characteristics apart from Colourmat® MSL and ZP, which are hydrophilic, and Colourmat® TZ, which is omniphilic. Colourmat® 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 Colourmats®. Colour shading is easy with Colourmat® products, as their colours have been fully developed, and no colour development occurs during grinding.

Emulsions

Colourmat® products should be dispersed in the oil phase, except Colourmat® TZ, which can be dispersed also in the water phase, and Colourmat® MSL and ZP, which should be dispersed only in the water phase. Colourmats® are not heat sensitive and they tolerate homogenizing well.

Colourmat® TZ can be considered to be an advanced colorant, as it has an effective mattifying activity. When formulating long lasting and mattifying products, the Colourmat® TZs should be added to the water phase. The lipids in the oil phase should have as little polarity as possible, so they won't get absorbed by the Colourmat® TZs. Examples of suitable non-polar lipids include Alphaflows® (Hydrogenated Polydecene), Dedraflows® (Hydrogenated Polyisobutenes) and Vegetable Squalane.

Powder Applications

The colour shading can be done after the powder base has been formulated. The binder system should be added after the colour shading.

Typical use level: 4-15%

Packaging: 25 kg sealed aluminium bag in cardboard box