



Active Colors

Custom Surface Treatments

Active Colors

Custom Surface Treatments



Pigments, pearls, fillers, and extenders within a formulation tend to interact with one another, with the carrying vehicle, and with other active and inert ingredients. All such interactions occur at interfaces. These interfacial effects are responsible for the ultimate rheological characteristics, product applications, rates of drying, product durability, shelf life, and appearance of the finished product. These interfaces

undergo dramatic changes when the product comes in contact with the skin. Colors may migrate, bleed, or shift. Surface treatments can dramatically alter the performance of one or more of the components, either to enhance compatibility or to create forced incompatibilities in order to achieve special effects.

Active Colors LLC specializes in the custom surface treatment of a wide variety of pigments and powders. We

are able to accurately and consistently enhance the existing properties of many pigments, pearls, and powders with a broad range and combination of treatments. We are able to combine treatments, vary percentages of treatment, and formulate in additives to meet the particular and unique needs of each final product. Our chemists have developed unique processes which allow for the least amount of treatment to be used, while achieving maximum results.

Trade Name	Treatment	Chemical Class	Features	Benefits	Applications
H ₂ phObe	M	Methicone	Reduced hydrogen potential	Excellent water repellency	Facial powders, lipsticks, nail lacquer, cosmetic colorants
H ₂ phObe	D	Dimethicone	Zero hydrogen potential	Excellent water repellency	Facial powders, lipsticks, nail lacquer, cosmetic colorants
Aquaphil	DDC	Dimethicone/ Dimethicone Copolyol	Water dispersible, multiple coating	Used in a wide variety of systems, maintains hydrophobicity	Water based emulsion or gel cosmetics, facial powders
Aquaphil	DC-XI	Dimethicone Copolyol	Water dispersible for w/o or o/w systems	Easily dispersed	Water or oil based emulsion or gel cosmetics
Aquaphil	DC-X	Dimethicone Copolyol	Water dispersible for o/w systems	Easily dispersed	Water based emulsion or gel cosmetics
Aquaphil	DC-I	Dimethicone Copolyol	Water dispersible for w/o systems	Excellent wetting characteristics	Oil based emulsion or gel cosmetics



Treatment Technologies

- **Silicones**
- **Perflourinated Materials**
- **Lecithin**
- **Coupled Phytochemicals**
- **Boron Nitride**
- **Pearlescent Pigments**

Active Colors

Custom Surface Treatments

Active Colors LLC, 43 Davis Street, South Plainfield, NJ 07080 USA
908-668-8600 • Fax: 908-668-1061 • info@activecolorsllc.com