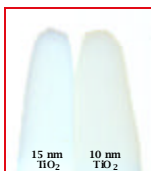


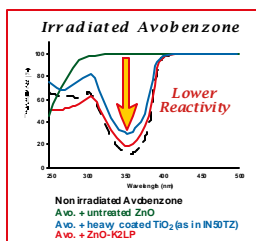
NEW Sun Care Technologies

- New Treated UV Pigments :
 - SIV-11S7 : Silane-treated 10nm TiO₂
 - ZnO-K2LP : Double-Coated ZnO
- New High Solids® dispersions :
 - IN50V4 : 10nm TiO₂
 - IN50TZ : 15nm TiO₂ heavy coated

NEW High Solids® Dispersions: 10 & 15nm Titanium Dioxide



- Surface Treatment reduces photochemical reactivity.



Measurement of remaining Avobenzone (transmittance) after irradiation when mixed with inorganic pigments.

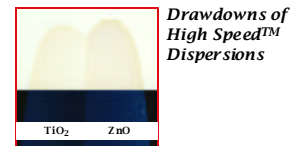
KOBO PRODUCTS Dispersions of Inorganic Sunscreens for UVA & UVB protection

- Titanium Dioxide and Zinc Oxide attenuate UV light by absorption and scattering.
- Control of dispersion particle size is fundamental for achieving efficient protection against UVA/UVB and to minimize skin whitening.
- Control of surface treatment allows decreased surface activity and lower reactivity of the pigment, for better compatibility with the rest of the formula and product safety.
- Kobo Products expertise is in customized dispersions created by selecting the appropriate pigment, formulation and processing conditions for our customers.

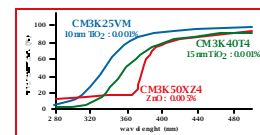
KOBO
www.koboproducts.com

NEW High Speed™ Dispersions

- Lower Viscosity :
Easier to use and highly transparent, available as TiO₂ and ZnO dispersions for optimum UVA / UVB protection and transparency.

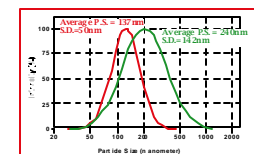


Drawdowns of High Speed™ Dispersions



Transmittance curves of High Speed™ Dispersions

- Narrower Particle Size Distribution :



— High Speed™ D Dispersion (CM3K50XZ4)
— High Solids® Dispersion (GC55XZ4)

Other Kobo Products

- Microspheres & Microspheres Complexes : ball-bearing and optical blurring effects, high absorption capacity.
- Treated Pigments : lower surface activity, maximize water repellency, easier to disperse.
- Pigmentary Grade Dispersions : full color development and higher gloss.
- Delivery Systems : decorative spheres (Softspheres), nano-particles (Glycospheres), and Skin Care Patches.
- Specialties : Pigments, Fibers, Fillers, Resins, Gellants, Light Scattering Colors, Binders, Lipids, Scrubbing Beads.



NEW Transparent Iron Oxide Dispersions for enhanced UVA protection



NEW 10 nm TiO₂ Dispersions

- New 10nm TiO₂ Dispersions : Powerful UV-B protection and unprecedented transparency.



Formula	Dispersion	P.P.S.*	Type	%TiO ₂	SPF
1	CM3K25VM	30	W/SI	12.6	40
2	CM3K40F4	15	W/SI	7.5	27
3	TiO ₂ unknown	-	W/O	9.1	30

*P.P.S. : Primary Particle Size