

ZinClear: Zinc Oxide from Antaria/ANO

ZinClear® Zinc Oxide products can be utilised to formulate elegant sunscreens with broad spectrum (UVA and UVB absorption) and high SPF

ZinClear® is ideal for the following applications:

- Broad Spectrum UV protection (UVB, UVA-I, UVA-II)
- Mild skincare for sensitive skin types or sensitive areas (face, neck)
- Children's sunscreens suitable for young skin at risk of sensitization
- UV protection for Daily use products
 - Daily protection from UVA Damage
 - Daily Protection from Skin Ageing
 - Daily Protection from Skin Darkening
 - Daily Protection from Skin Pigmentation
- As an SPF booster and UVA absorber for skincare using organic absorbers or TiO₂

ZinClear® is available in dispersion and powder form and allow the formulation of very safe, mineral based sunscreens providing high SPF, high transparency and low whiteness on the skin

ZinClear®- IM Dispersions are homogenous dispersions of micron-sized zinc oxide particles in various carrier oils. The carrier liquids are emollients that provide excellent stability against flocculation or settling

The ZnO particles in ZinClear® IM dispersions have a porous structure, providing for a closer match of refractive index between the zinc oxide and the surrounding medium. It is this microstructure that enables the dispersions to give a high degree of transparency on skin, despite the relatively large particle size (compared to conventional sunscreen grades of zinc oxide)

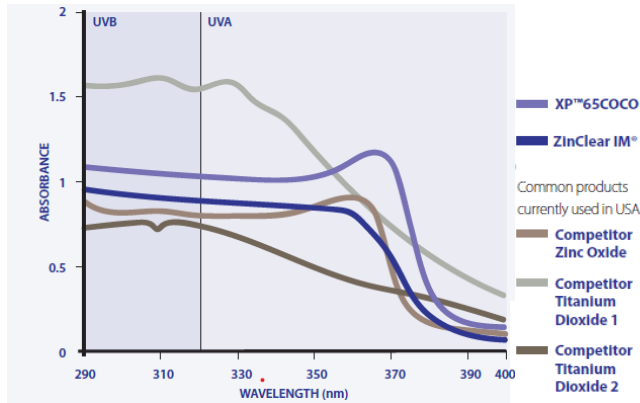
ZinClear® XP is available as either a powder or in a dispersion

ZinClear® XP powder variant is a homogenous dry powder of micron-sized zinc oxide particles. Allowing formulators the option to incorporate zinc oxide into different phases and use different dispersing agents. A dispersion version is also available incorporated in coco-caprylate/caprates as the product ZinClear XP65COCO

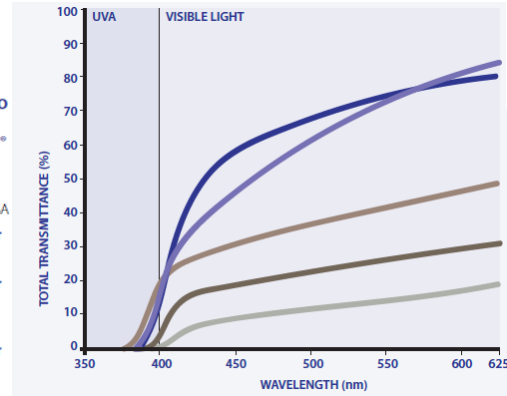
ZinClear® XP powder has a larger particle size than that seen in ZinClear® IM dispersions, due to agglomeration of the particles in the dry powder state. However, when the powder is dispersed these agglomerates are broken down so that the particle size in ZinClear® XP65COCO dispersion is smaller than that in the ZinClear® IM dispersions



Absorbance of UVA and UVB



Optimised for Transparency



Advantages of ZinClear®

UVA and UVB Broad Spectrum Absorption

Ecocert approved

Reef Safe

Vegan

Hypoallergenic

Suitable for Sensitive Skin

Gluten Free

Cruelty Free

Anti-Inflammatory

Anti-bacterial and Wound healing

Child Safe

Pregnancy safe

