

Solaveil SpeXtra

Solaveil Harmony

Solaveil Clarus

Solaveil MicNo

Solaveil™ Range

Croda's most advanced sunscreens

Now available
as
powders

Solaveil Dispersions are:

- Nature-identical minerals
- Safe and easy to handle
- Easy to incorporate into formulation
- Consistent quality and performance
- Patented technology
- Globally approved up to 25% solids
- Various particle sizes
- COSMOS variants available
- Non irritant and don't penetrate the skin

Solaveil Range Advanced Sunscreens

Solaveil MicNo

- Solaveil MZP3
- Solaveil MZP7
- Solaveil MZP8
- Solaveil MZ3-100

Solaveil MZ3-300

- Solaveil MZ7-100

Solaveil Clarus CZ

- Solaveil CZ-100
- Solaveil CZ-300

Solaveil Clarus CT

- Solaveil CT-100
- Solaveil CT-200
- Solaveil CT-300
- Solaveil CT-12W

Solaveil CTP1

- Solaveil CTP7

Solaveil SpeXtra XT

- Solaveil XT-100
- Solaveil XT-300

Solaveil XT-40W

- Solaveil XTP1
- Solaveil XTP2

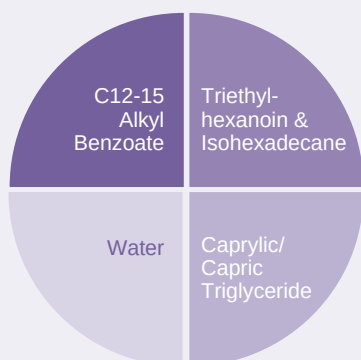
Solaveil Harmony

- Solaveil HTP1

Solaveil Carrier Options

100

Excellent all round emollient for solar formulations



200

Light skin feel emollient combination

W

Where no additional oil is desired

300

Natural carrier fluid choice

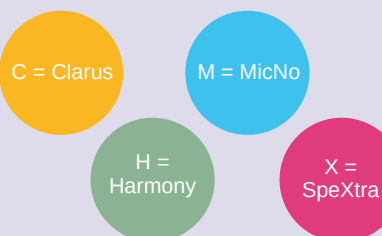
Particle Size Comparison



This comparison of particle sizes covers the conventional particles in the Solaveil range (so does not include Solaveil MicNo) and is for illustrative purposes only. For detailed information on particle size of our entire range please contact your sales representative.

Solaveil Name Decoder

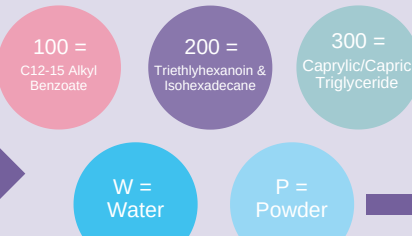
Step 1 The Family



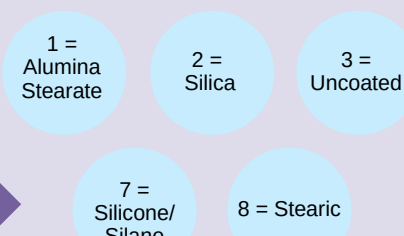
Step 2 The Physical UV Filter



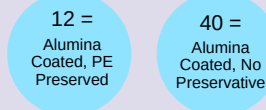
Step 3 The Carrier



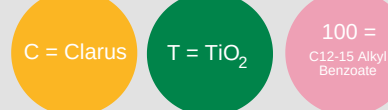
Step 3b Powder Coating



Step 3a Water Carrier



Example Solaveil CT-100



Solaveil Brand



Behind Solaveil is a team of experts in inorganic sunscreen ingredients who are passionate about sun protection. They are ready to work with you to educate consumers about the importance of UV protection, share their knowledge about sunscreen technology and support customers who utilise Solaveil technology in their sunscreen and beauty products.

The Solaveil logo: To communicate the benefits of Solaveil to your consumers, you can use the Solaveil logo on pack, contact your sales representative for more information.

Solaveil SpeXtra Extra Protection



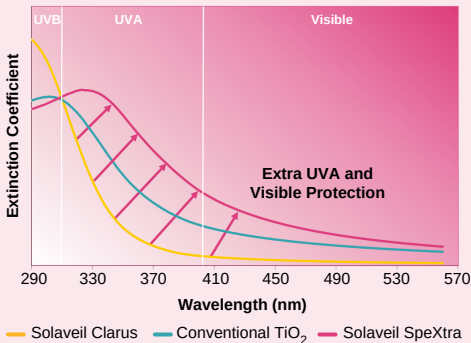
Tradename: Solaveil **XT**

X = SpeXtra = Extra protection
T = Titanium dioxide dispersions

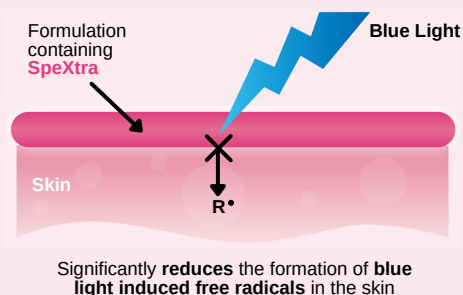
Performance: UVB, UVA and Blue Light protection

Coating: Alumina/stearate (except XTP2 which is silica coated)

Not Transparent: Large particle size. Ideal colour base for Colour Cosmetics



Free radical prevention



Solaveil Harmony Perfectly Balanced



Tradename: Solaveil **HT**

H = Harmony = Perfectly Balanced
T = Titanium dioxide

Performance: Balances large particle size for natural claims, with less whitening compared to Solaveil SpeXtra

Coating: Alumina/stearate



Solaveil SpeXtra Solaveil Harmony Solaveil Clarus

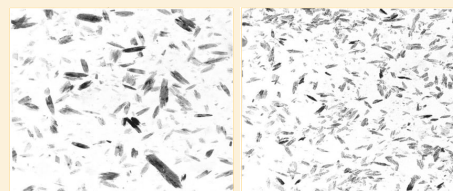
Solaveil Clarus Clarity (Transparency)



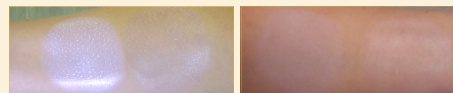
Tradename: Solaveil **CT** Solaveil **CZ**

C = Clarus = Clarity (transparency on skin)
T = Titanium dioxide dispersions, UVB protection
Z = Zinc oxide dispersions, UVA protection

Coating: TiO₂ coated with alumina/stearate (except CTP7 which is silicone coated), ZnO is uncoated



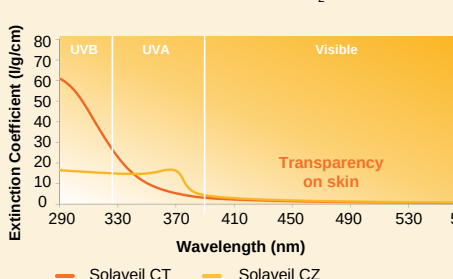
Conventional TiO₂ Solaveil Clarus



Conventional TiO₂ neat dispersion Solaveil CT neat dispersion

Conventional ZnO neat dispersion Solaveil CZ neat dispersion

Note: Overall ZnO is more transparent than TiO₂



Solaveil MicNo Unrivalled Transparency

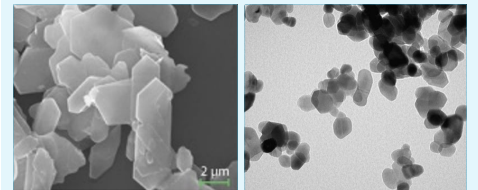


Tradename: Solaveil **MZ**

M = MicNo
Z = Zinc Oxide powders and dispersions

Performance: Platelet-shaped particles that are large enough for natural and COSMOS, whilst also being transparent on the skin

Coating: Uncoated (denoted by #3), triethoxycaprylsilane (#7) and stearic acid (#8)



Solaveil MicNo: Patented platelet-shaped, micron-sized particles

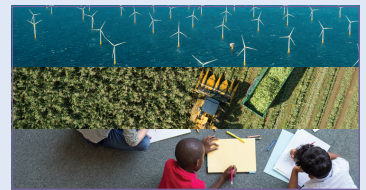
Conventional ZnO spherical shaped particles

Comparing uncoated ZnO powder grades

The images show a competitor uncoated and spherical small particle ZnO (sample on the top row of each image) compared with Solaveil MZP3, which is the uncoated Solaveil MicNo (sample on the bottom row of each image).



Our commitment



Croda has committed to be climate, land and people positive by 2030. We will use our smart science to promote healthy lives and wellbeing through the development and application of our ingredients and technologies.

By 2030, we will protect at least **60 million** people annually from potentially developing skin cancer from harmful UV rays, through the use of our solar protection ingredients.

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