



## Snow Dew Hydrating Sun Cushion SPF 54 (SU-WO 018)

The latest K-Beauty innovation is a sunscreen focused version of the popular color compact foundations made famous by AmorePacific. This is an SPF 54 water-in-oil emulsion designed to have thin, light viscosity yet still retains strong formulation stability. It features a refreshing burst of hydration upon initial application.

**Applecare PDS 300** evenly distributes highly- loaded mineral UV filters to provide a smooth sensory with UV-blocking effects. It greatly reduces the tacky after- feel.

**G-GEL Eco-HMS** is an organoclay gel designed for clean beauty applications. It greatly boosts suspension and sensory of mineral pigments, making it a crucial ingredient in stabilizing mineral sunscreens.

**PhytoCare** is a magic hydration powerhouse active which forms a moisture- restoring flexible film to hydrate and repair the skin, thus rebuilding skin elasticity.

**G-Block** products are COSMOS, NPA approved, high active mineral UV filter dispersions which give predictable SPF and broad-spectrum benefits. Their excellent spreadability simplifies formulation development and the manufacturing process.

**OleoFLEX** are film forming elastomeric texturizers for natural oils. They increase water resistance and lock the UV actives and natural oils onto the skin.

### Specifications

- 🍏 SPF:53.7 (FDA protocol, 2 subjects)
- 🍏 CW: 373 nm, broad spectrum
- 🍏 Yield Stress: 821,500 cP
- 🍏 Viscosity at 10 rpm: 8,400 cP
- 🍏 50°C oven: 1 month stable
- 🍏 Freeze-Thaw: Passed 3 cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A	Distilled Water	33.2
	Snow Mushroom Extract (PhytoCare-HA CG 1M )	0.10
	Propanediol	3.00
	Xanthan Gum	0.10
	Disodium EDTA	0.10
	Glycerine	2.00
	Preservative	0.50
B	G-Block DZ 480 CCT	15.0
	Applecare PDS 300	3.00
	G-Gel ECO-HMS	10.0
	Oleoflex FG 100	3.00
	Isononyl Isononanoate	3.00
	C15-19 Alkane (EMOSMART L19)	10.0
	Octocrylene	10.0
	Octisalate	5.00
	Cetyl PEG/PPG-10/1 Dimethicone (Abil EM 90)	2.00
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### Processing Method

1. Homogenize Phase A for 15 minutes at RT.
2. Homogenize Phase B for 30 minutes at RT separately.
3. Add Phase C and then homogenize (2 minutes, 4000 rpm).
4. Add Phase A to Phase BC and homogenize for 5 minutes.

Create Possibilities

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