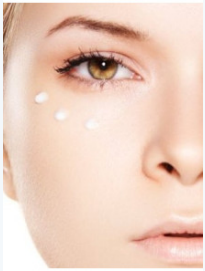
# BB Micro Silk™ at a Glance

BB Micro Silk™ is a white, lightweight, fine-particle spherical powder for complexion formulas that need a smoother visual finish and a refined skin feel. The product is positioned for BB cream, concealer, foundation, loose powder, pressed powder, cream makeup, silicone-based primers, and other soft-focus skin-smoothing systems. Its value is not only tactile softness, but the combination of cream-like spread, moderate oil absorption, and optical blurring for pores, fine lines, wrinkles, and uneven texture.



- Soft, silky, cream-like sensory profile
- Soft-focus appearance without a flat or heavy look
- Designed for both emulsion and powder complexion formats

# Product Identity and Technical Profile

For a scientist audience, BB Micro Silk™ should first be understood as a spherical powder texturizer with a defined particle-size range and a specific INCI identity. The product is developed and produced in Japan, with the appearance and storage profile expected for a fine cosmetic powder. These characteristics support its role as a controlled sensory and optical modifier rather than a pigment, active, or heavy coverage agent.

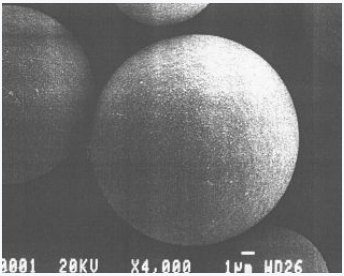
INCI: HDI/Trimethylol Hexyllactone Crosspolymer (and) Silica

Appearance: white to pale yellow powder; lightweight, fine, soft, and smooth

Average particle size: 12.0–18.0 micron; shelf life: 48 months from manufacturing or testing date

Storage: room temperature, 25–40°C for long-term and transportation storage

# Why Spherical Particles Matter

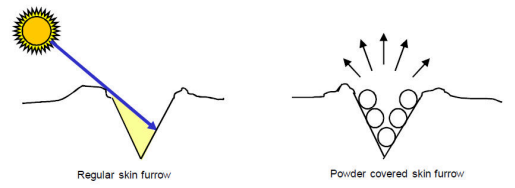



The small spherical particle structure is central to the product story. Spherical particles can move and distribute across the skin surface more evenly than rougher, irregular texturizing powders, helping the formula spread more smoothly and contributing to a soft, cream-like touch. For complexion products, this morphology supports a more continuous finish over pores, fine lines, and texture variation.

- Spherical morphology supports smoother glide and more even distribution
- Fine particle size helps the powder integrate into BB cream, foundation, concealer, and powder formats
- The structure supports soft-focus performance while maintaining a light finish

# Optical Soft-Focus Mechanism



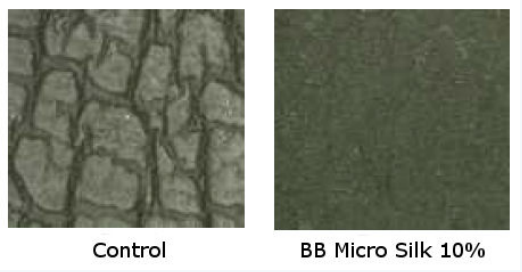



BB Micro Silk™ is selected when the formulator needs visible smoothing without relying only on coverage. The powder can help coat the skin surface and diffuse the appearance of texture irregularities, reducing the visible impression of pores, wrinkles, and uneven skin texture. The mechanism is best presented as a surface-smoothing and light-management effect, not as a biological skin-change claim.

- Helps coat uneven skin microtexture for a smoother-looking surface
- Supports optical blurring of pores, fine lines, and wrinkles
- Useful when the formula needs refinement rather than heavy masking

# Skin Coating Result at 10%






The skin-coating reference image helps connect the mechanism to visible surface behavior. At 10% BB Micro Silk™, the reference comparison shows a more coated, visually even surface versus the control image. In the deck, this slide should frame the image as product-reference evidence for smoother-looking finish and surface coverage behavior, without extending it into unsupported clinical or long-term efficacy claims.

Reference comparison: Control versus BB Micro Silk™ 10%

Supports the claim of surface coating for smoother-looking skin texture

Best interpreted as visual formulation evidence, not a dermatological treatment claim

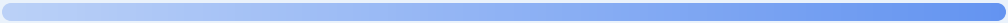
# Formulation Benefits by Product Type

BB Micro Silk™ is broadly compatible with complexion-enhancing formats because it can be dispersed in oil, silicone, cream or gel bases, powder systems, and water. This makes it practical for hybrid complexion products where tactile feel, spreadability, oil management, and visible soft-focus must be balanced in one system. The ingredient is especially relevant for formulas that need light coverage and a refined skin finish.

- BB cream, concealer, and foundation: smoother spread and refined finish
- Loose and pressed powder: soft texture plus moderate oil absorption
- Cream makeup and silicone primers: cream-like touch with visual blurring
- Soft-focus formulas: pore, wrinkle, and uneven texture blurring support

# Use Level and Processing Window

The recommended use level is 3.00%–10.00%, with a typical level of 6.00%–7.00% depending on the desired level of wrinkle, pore, and texture blurring. BB Micro Silk™ can be added into the oil phase, dispersed directly into powder formulas, or sprinkled into cream bases and mixed until evenly distributed. It is heat tolerant and can be used in heated processing when appropriate for the overall formula.



Recommended range: 3.00%–10.00%

Typical level: 6.00%–7.00% for balanced soft-focus and skin feel

- Can be added to oil phase, powder base, or cream base
- Heat tolerant within the needs of the overall formulation

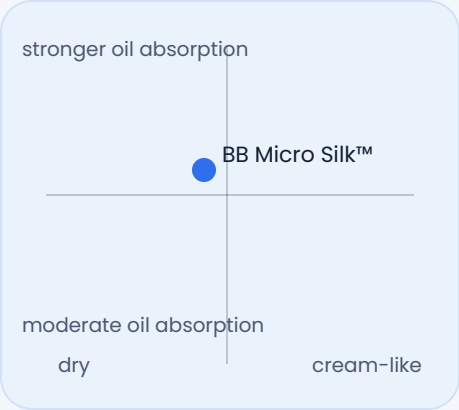
# Example Formula Starting Points

The source formulas show how BB Micro Silk™ can be incorporated across silicone, cream, foundation, and loose powder systems. In all three examples, BB Micro Silk™ is used at 10.0%, making the examples useful as high-end starting points for strong smoothing and soft-focus emphasis. Scientists can use these examples to understand phase compatibility and formulation logic before adjusting sensory intensity, coverage, and oil absorption for the target product.

- Silicone-based example: Cyclomethicone 30%, Dimethicone 20%, Silicone Gel Base 40%, BB Micro Silk™ 10%
- Cream-based example: emulsifier plus oil 13.0%, silicone 12.0%, water phase 65.0%, BB Micro Silk™ 10.0%
- Foundation or loose powder example: Silk Talc Powder or Mica Powder 75%, BB Micro Silk™ 10%, other ingredients 15%

# Selection Versus Other Texture Powders

BB Micro Silk™ is best selected when the target is a soft, cream-like feel, moderate oil absorption, and optical soft-focus performance. It differs from drier silica texturizers that prioritize reducing stickiness or stronger sebum absorption, and from powders that mainly shift a cream into a powdery finish. In a powder selection discussion, BB Micro Silk™ sits in the space where sensory softness and visual smoothing are both required.




- Versus MatteSilica™ group: less dry or rough; more cream-like touch
- Versus PowderCream™: focused on soft-focus and silky feel rather than simply powdering a cream texture
- Versus SelectSorb™: moderate oil absorption rather than high sebum absorption
- Adjacent to Nylon-12 and Polymethylsilsesquioxane in soft, smooth, complexion-enhancing powder selection

# Product Example and Development Takeaway

The DHC Velvet Skin Coat example gives a familiar product-context reference for how BB Micro Silk™ can be used in a complexion-smoothing silicone-style product. The key takeaway for development is that BB Micro Silk™ is most valuable when the formula brief requires silky spread, moderate oil control, light coverage support, and an optical smoother-looking finish in one powder system.


- Relevant for silicone-based primers and complexion-smoothing products
- Best fit: soft-focus finish, cream-like touch, and moderate oil absorption
- Development direction: use 6.00%–7.00% as a typical starting range, then adjust toward 10.00% when stronger blurring is desired