

## Starting point formulation – Foundation stick with SPF – glow & go

This advanced foundation stick glides on effortlessly, delivering a smooth and natural tone. **TIXOGEL-CCT** ensures the stable dispersion of the mineral UV filter and the effect pigments, while the combination of **PURABYK-P 5541 SATIN** and **RHEOBYK-7590 PC** provides the ideal balance of stick hardness and color pay-off.

### Formulation

| Position     | Component                   | INCI   | Supplier                     | Function                    | Dosage (%)    |
|--------------|-----------------------------|--|------------------------------|-----------------------------|---------------|
| A            | KAHLWAX 6103 BW Substitute  | Cera Microcristallina, Hydrogenated Vegetable Oil, Stearyl Stearate, Stearic Acid                        | KAHL                         | Consistency providing agent | 2.00          |
|              | KAHLWAX 6607 WOA Sunflower  | Helianthus Annuus Seed Cera  | KAHL                         | Consistency providing agent | 6.40          |
|              | KAHLWAX 6290 Berry          | Rhus Verniciflua Peel Cera   | KAHL                         | Consistency providing agent | 2.80          |
|              | Lanette O                   | Cetearyl Alcohol   | BASF                         | Consistency providing agent | 8.50          |
|              | Myritol 318                 | Caprylic/Capric Triglyceride   | BASF                         | Emollient                   | 21.00         |
|              | Castor Oil                  | Ricinus Communis Seed oil  | Gustav Heess                 | Emollient                   | 14.00         |
| B            | TIXOGEL-CCT                 | Stearalkonium Bentonite, Caprylic/Capric Triglyceride, Propylene Carbonate                               | BYK                          | Rheology modifier           | 10.00         |
|              | PURABYK-P 5541 SATIN        | Bentonite  | BYK                          | Binder                      | 8.00          |
|              | RHEOBYK-7590 PC             | Trihydroxystearin  | BYK                          | Consistency providing agent | 2.50          |
| C            | ZinClear XP                 | Zinc Oxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid                              | Advance ZincTeK Ltd, Antaria | UV filter                   | 12.00         |
|              | SYNCRYSTAL Soft Silver      | Synthetic Fluorphlogopite (and) Titanium Dioxide (and) Tin Oxide   | ECKART                       | Colorant                    | 5.00          |
|              | SYNCRYSTAL Soft Autumn Gold | Synthetic Fluorphlogopite (and) Titanium Dioxide (CI 77891) (and) Iron Oxides (CI 77491) (and) Tin Oxide | ECKART                       | Colorant                    | 6.00          |
|              | SYNCRYSTAL Soft Bronze      | Synthetic Fluorphlogopite (and) Iron Oxides (CI 77491)   | ECKART                       | Colorant                    | 1.50          |
| D            | Cosphaderm T-70 NON GMO ECO | Tocopherol, Helianthus Annuus Seed Oil   | Cosphatec                    | Antioxidant                 | 0.30          |
| <b>Total</b> |                             |  |                              |                             | <b>100.00</b> |

**Instructions (manufacturing procedure)**

- Combine phase A ingredients, RHEOBYK-7590 PC and TIXOGEL-CCT and melt at 80 °C under stirring.
- Add the UV filter und stir until homogeneous, cool down to 70 °C.
- Add PURABYK-P 5541 SATIN, the effect pigments and phase D and stir until homogeneous, hold the temperature and fill into packaging.

**Characteristic data**

- Appearance: solid shimmering-brown stick.
- Storage stability: 3 months at 40 °C.

**TIXOGEL-CCT** is a mastergel based on organically modified bentonite suspending pigments.

**RHEOBYK-7590 PC** is a rheology additive based on a castor oil derivative and suitable for natural formulations.

**PURABYK-P 5541 SATIN** is a natural bentonite providing binding properties.



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