

## PERFORMANCE ELASTOMERS FOR BOTH MATTE AND RADIANT FORMULATIONS

### Silmer® G-162-F5 and Silmer® G-162-F5-M

#### One Chemistry, two Effects

Silicone Elastomers are well known for the premium feel that they provide. Offering cushion and play time, silicone elastomers bring far-reaching benefits to cosmetic formulations.

In addition to these well-known and valued properties, Siltech can precisely control the gloss of the elastomer. Thus, our elastomer can be mattifying or glossy, providing a soft focus or glass skin effect.

To confirm this effect, a 60° gloss measurement was carried out on two formulations (Perfectly Primed & Dewy Primed), whereby the formulations differed only in the gloss of the elastomer.



		“Perfectly Primed”	“Dewy Primed”
<b>Parameter</b>	Method	w/ Silmer® G-162-F5-M	w/ Silmer® G-162-F5
<b>Appearance</b>	Visual of 0,1 g spread across 5 x 5 cm of forearm	Matte with blurring/soft focus effect	Shiny/glossy wet-look
<b>Gloss @ 60° (GU)</b>	250 µm draw down on white uncoated Leneta	<b>19.5</b>	<b>36.6</b>



### RESULTS

**Silmer® G162-F5**, the shiny version of our silicone elastomer, offers superior cushion and extended playtime while improving spreadability. This high gloss silicone elastomer gel helps visually enhance radiance, creating a natural glass-skin, bold, luminous look.

**Silmer® G162-F5-M**, the matte version of our silicone elastomer, delivers a natural mattifying effect that helps refine skin texture. This mattifying silicone elastomer gel helps visually fill pores and blur imperfections, creating the coveted soft-focus, effortless matte look — your perfectly primed canvas for flawless makeup.

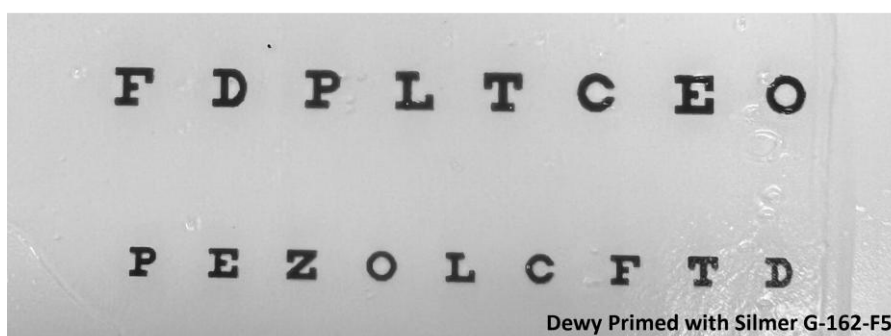
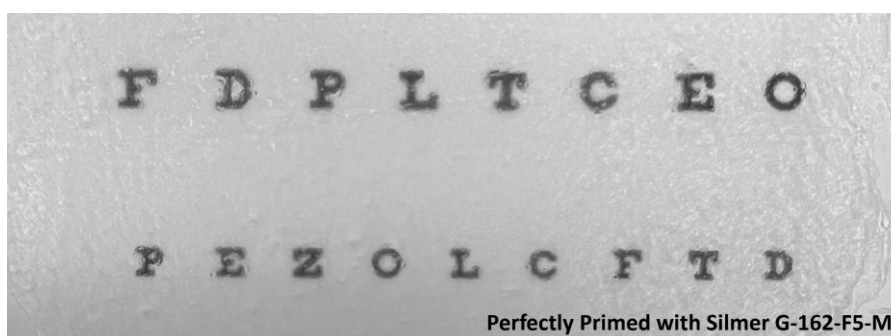
PRODUCT	CHEMISTRY	INCI	PHYSICAL FORM, VISCOSITY
Silmer G-162-F5 (-M)	Silicone Elastomer Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Clear Gel, 700.000 (400.000) cps

# SHY or SHINE



PERFORMANCE INSPIRED INGENUITY

Additionally, to demonstrate the difference in blurring effect between our matte and glossy elastomer, a defined amount of the formulations “Dewy Primed” and “Perfectly Primed” were applied to a print-out of the Snellen chart



## RESULTS

The Snellen chart treated with the matte version of our elastomer, **Silmer® G162-F5-M**, shows a significantly higher blurring effect than the chart treated with the glossy elastomer, covering up harsh lines and visible pores. This soft-focus finish glides over your skin, acting as an optical interface between skin structure and light, technologically transforming the skin's surface.

### Formulations “Dewy Primed” (Silmer® G-162-F5) and “Perfectly Primed” (Silmer® G-162-F5-M)

Phase	Material (Supplier)	INCI	Wt. (%)
A	Jarcane 12 (Jarchem)	n-dodecane	18.00
	<b>Silwax® A08-UP (Siltech)</b>	Caprylyl Methicone	3.00
	<b>Silwax® D226 (Siltech)</b>	Ceretyl Dimethicone	1.20
	<b>Silmer® UR-5050 (Siltech)</b>	Bis Hydroxypropyl Dimethicone/SMDI Copolymer	1.00
B	Aerosil 200 (Evonik)	Hydrated Fumed Silica	0.10
C	<b>Silmer® G-162-F5 (Siltech)</b>	Dimethicone (and) Dimethicone/Vinyl	76.70
	<b>Silmer® G-162-F5-M (Siltech)</b>	Dimethicone Crosspolymer	
Total			100.00