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SE EN ISO 9001:2015
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SILIGEN® D2W LIQ C / Experience the future of knitwear finishing





SILIGEN® D2W LIQ C

Experience the future of knitwear finishing

SILIGEN® D2W LIQ C is a next-generation silicone softener engineered to redefine the standards of softness, durability, and performance for premium knitwear. It is based on a new patent-pending cross-linkable emulsion that forms a stable silicone network within the cellulosic fibers.

Our advanced formulation delivers an exceptionally luxurious handfeel that is silky, smooth, and effortlessly natural while ensuring unmatched durability through repeated wash and wear. Suitable for developing all end use segments including luxury loungewear, performance athleisure and contemporary casualwear, **SILIGEN® D2W LIQ C** ensures garment collections not only look and feel premium but they stay that way.

Padding method :

Dosage: 10-50 g/l
Bath pH: 4.5-6.0 with acetic acid
Bath temperature: 20°C
Wet pick up: 60-90%
(depends on fiber type and fabric structure)
Drying: 100-130°C

Spraying method:

Dosage: 20-100 g/l
Bath pH: 4.5-6.0 with acetic acid
Bath temperature: 20-25°C
Wet pick up: 30-40%
Drying: 100-130°C

Exhaustion method :

Dosage: 1-4 % owf
Bath pH: 4.5-5.5 with acetic acid
Liquor Ratio: 1:5 - 1:20
Condition: treat at 40°C x 20-30min, no rinse, hydro-extract, dry

/ KEY BENEFITS



Superior Durable Softness:

Elevates fabric touch to an indulgent, high-value feel that discerning consumers demand.



Enhanced Elastic Recovery:

Maintains fabric resilience and shape retention, even in high-stretch construction and athleisure textiles.



Extended Performance Lifespan:

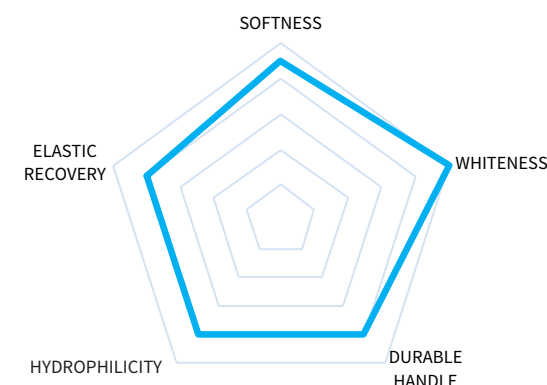
Prolongs garment integrity, reducing deformation and softener breakdown over time.



Long Lasting Hydrophilicity:

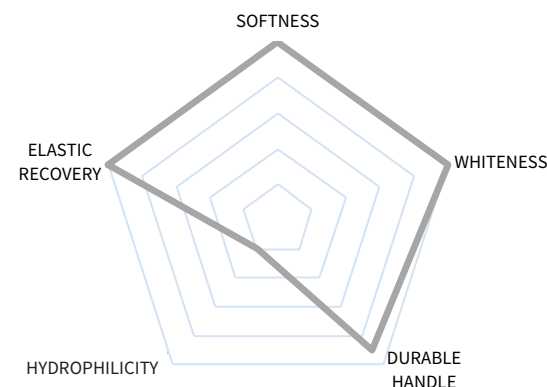
Excellent absorbency that is wash durable.

/ TECHNICAL PERFORMANCE COMPARISON



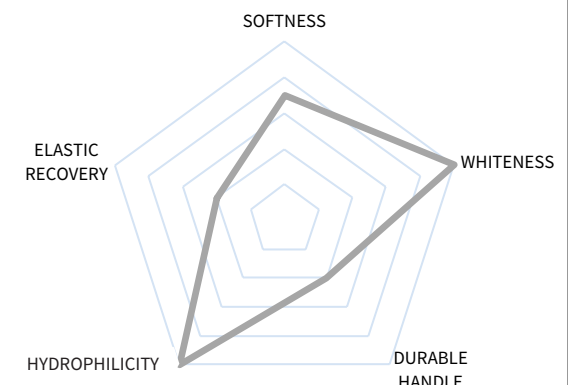
SILIGEN® D2W LIQ C Semi-macro Silicone

- / Balanced hydrophilic properties with durable softness
- / Suitable for exhaust, spray and padding
- / No impact on whiteness
- / Excellent wash durability



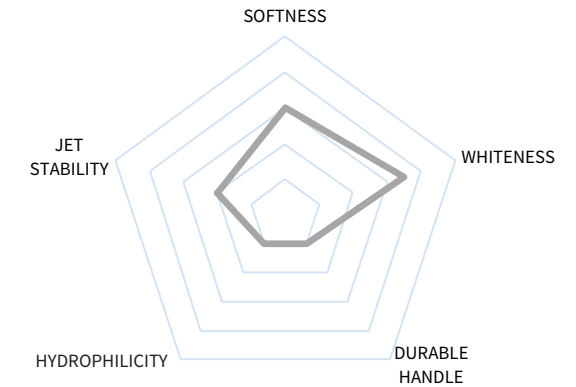
Non-hydrophilic Macro Silicone

- / Durable, surface smoothness
- / Suitable for padding only
- / Strongly impairs natural absorbency of cotton
- / Improves shape recovery of woven and knitted fabrics.



Hydrophilic Micro Silicone

- / Balanced hydrophilic properties with softness
- / Suitable for exhaust, spray and padding
- / Soft, full but moderately wash durable handle



Fatty Acid Amide

- / Soft, full but non-wash durable handle
- / Impairs natural absorbency of cotton
- / More suitable for darker colors due to potential yellowing