

DOW CORNING

Textile
Solutions

Dow Corning® brand GP 8000 Eco Solution

Eco-Innovation from Dow Corning Textiles





Key Features and Benefits of Dow Corning GP 8000 Eco Solution

- Less cost
- Capability for combining processing steps offers the potential for:
 - Substantial water and energy savings, contributing to environmental sustainability
 - Faster throughput for increased productivity and profitability
- Compatible with enzymes commonly used in garment and fabric finishing, enabling previously incompatible processing steps to be combined
- Excellent dispersibility enables rinsing and softening to be combined, saving water and processing time
- Steps can be combined without additional process modification
- Nonionic
- Excellent shear stability
- Good storage stability
- Compatible with washing stones
- Wide pH range and temperature stability
- Natural, rugged hand feel
- Low yellowing

Dow Corning GP 8000 Eco Solution

The patent-pending breakthrough that can dramatically reduce the water, energy and time required to process denim

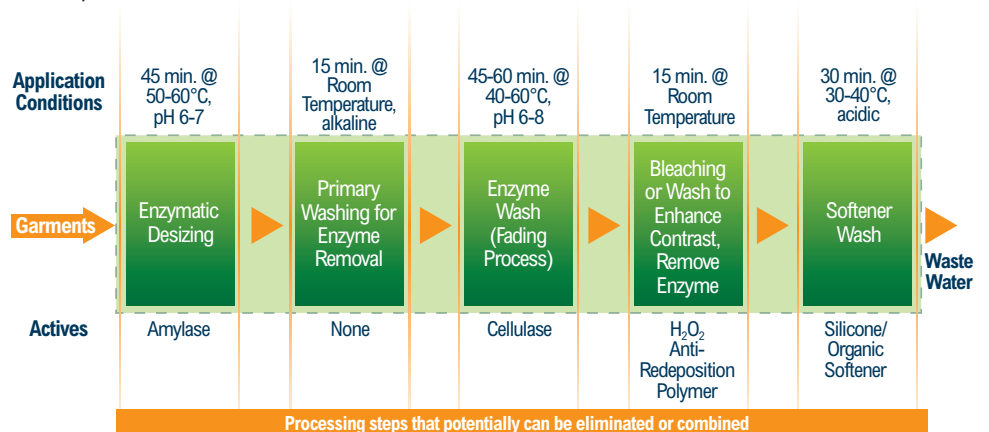
Consumers want denim clothing that looks and feels as soft and comfortable as a well-worn pair of jeans. Unfortunately, achieving that look and feel can waste water, energy and processing time – a lot of it – which does nothing to enhance a textile brand’s environmental image.

A Solution That Benefits Garment Processors, Brand Owners and Eco-Conscious Consumers

New *Dow Corning GP 8000 Eco Solution* is a patent-pending, easy-to-use, granulated silicone technology with a unique set of properties that allows the combination of previously incompatible garment washing steps providing a natural, soft hand and, most importantly, **the potential to reduce process water consumption by as much as 50 percent.**

Combining steps **reduces utility costs, processing time and energy requirements and increases productivity.** Plus, it enables garment processors to offer brand owners the image-enhancing benefits of **more sustainably produced garments** – a factor that is becoming increasingly important to the growing number of eco-conscious consumers.

Figure 1. How *Dow Corning GP 8000 Eco Solution* streamlines production and reduces water consumption



Global Availability – Outstanding Application Flexibility

Available worldwide, *Dow Corning GP 8000 Eco Solution* is designed for use in denim fabric and garment processing. It also can be applied by exhaust or padding application methods. In addition, *Dow Corning GP 8000 Eco Solution* has potential for use in other garment, fabric or knit processing applications.

Depending on process requirements, this water-, energy- and time-saving textile solution can be used in any of the following process steps:

- In the desizing bath
- In the stone wash bath
- In the enzyme wash bath for fading
- In the post-bleach neutralizing bath
- In the rinsing bath for any of the above processes to both rinse and soften in a single water-reducing step
- To soften garments where there is a tendency for color redeposition



Consider the Potential Water and Time Savings

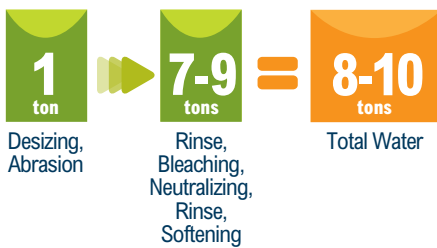
While actual savings will vary depending on your process and application, the following examples illustrate the potential water and time savings possible with *Dow Corning GP 8000 Eco Solution*.

Conventional Processing **11-15 tons of water used**



Dow Corning GP 8000 Eco Solution used during detergent-only desizing in a garment washing process using neutral enzyme

8-10 tons of water used



Savings shown in the diagram are for 100 kg of garments.

Rely on Eco-Innovation from the Silicone Leader

Known worldwide as the silicone pioneer, Dow Corning has extensive experience in the global textile industry. Working in partnership with textile brands, garment processors, textile formulators and distributors, we are bringing the industry innovative new solutions that contribute to sustainability, enhance brand images and enable never-before-possible processing and performance breakthroughs – solutions like *Dow Corning GP 8000 Eco Solution*.

SAVE up to
50 LITERS
of water on every
pair of jeans.



Learn More about the Processing, Performance and Sustainability Advantages of *Dow Corning* GP 8000 Eco Solution

For a product data sheet, to request a sample for evaluation or to chat with a Dow Corning textiles expert about how *Dow Corning* GP 8000 Eco Solution could help you achieve your specific sustainability and productivity goals, contact us.

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