

Product Information Laundry Auxiliaries

Lava[®] Zyme Lite Neu 50

Enzyme to bleach blue denim

Function	Bleaching of blue denim dyed with indigo
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Properties	<ul style="list-style-type: none"> - enzymatic bleaching system; does not contain chlorine or sulfite - allows level bleaching effects that do not damage the fibers - very good contrasts - non-foaming - powder - gives blue denim a grey cast - specifically effective on indigo
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Chemical Characteristics	Enzyme preparation based on laccase
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Technical Data	<table> <tr> <td>Appearance:</td> <td>beige powder</td> </tr> <tr> <td>pH:</td> <td>3 - 4 (0.5%)</td> </tr> <tr> <td>Shelf life:</td> <td>6 months in closed original containers.</td> </tr> </table> <p>Do not store at temperatures above 25 °C, product can become useless!</p>	Appearance:	beige powder	pH:	3 - 4 (0.5%)	Shelf life:	6 months in closed original containers.
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Application

The treatment with Lava Zyme Lite Neu 50 is an environmentally friendly method and easy to control it does not affect harmfully on the strength of the fabric and is suitable also for denim containing Lycra or other elastic fibers. It can be used for clean-up of backstaining and enhancement of denim abrasion or for bleaching of denim to create unique looks.

The pH of 4.5 - 5.5 required for bleaching does not attack direct, sulphur or reactive dyes. It acts specifically on Indigo. Without special post-scouring or post-bleaching a greyer cast is obtained than with other bleaching systems, especially chlorine bleaches. Post-bleaching with hydrogen peroxide improves the clarity of shade. After bleaching, the goods should be rinsed and post-scoured. A softener is then applied and processing is completed as usual.

The bleaching effect can be regulated by the treatment time, temperature and, above all, the quantity of the product. To achieve good bleaching effects, there must be sufficient air in the machine as the bleaching impact is partly caused by atmospheric oxygen. Washing machines are suitable for bleaching with this product; barrels give unsatisfactory results because they have too little air.

Guide recipe for bleaching

Desize the denim, treat with cellulase with or without stones, rinse, fill machine with water (50 - 70 °C)

Liquor ratio 5:1 - 10:1

The pH of the treatment bath is normally set via the buffer system in the product at 4.5 – 5.5

Add;

0.5 - 3.0% Lava Zyme Lite Neu 50

While machine is running and treat for 15 - 60 min at 50 - 70 °C. The product does not contain any water so it must not be diluted until immediately before use.

Spin gently

Rinse once in warm water

Aftertreat for 10 min at 40 - 60 °C with

0.5 - 1.0 g/l Lava Sperse Base or Lava Sperse KDS.

Then apply Lava Soft EPS 01 or Lava Jeans PRO 01 (please see the relevant datasheets).

Clean-up after abrasion

After the stonewash , fill machine with water (50 – 70°C); Liquor ratio 5:1 – 10:1 The pH of the treatment bath is normally set via the buffer system in the product at 4.5 – 5.5

Add

0.5 - 1.5% Lava Zyme Lite Neu 50

While machine is running and treat for 15 - 60 min at 50 - 70°C. The product does not contain any water so it must not be diluted until immediately before use.

Spin gently.

Rinse once in warm water.

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