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# Technical Data Sheet

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## NARMADA NEW ERA

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### Product Overview

NARMADA NEW ERA is a silicone-based textile softener engineered for exceptional durability and a luxurious, voluminous hand feel. It is particularly effective on bathmats, knitted, and woven fabrics. Its formulation enhances surface smoothness and provides long-lasting antistatic properties, ensuring a premium finish for various textile applications.

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### 1. Properties

- Provides a soft, full-bodied, and smooth texture.
- Highly resistant to yellowing under heat or prolonged storage.
- Offers antistatic properties for enhanced fabric performance.
- Effective on polyester (PES), cotton (CO), and blended textiles.
- Ideal for three-dimensional fabrics, terry towels, bathmats, and rugs.
- Stable across a wide pH range and during high-shear processes.

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### 2. Technical Data

- Appearance: Clear liquid
- pH Value: 4 – 6
- Dilutability: Fully dilutable in water at any ratio

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### 3. Application

#### General Guidelines:

- Ensure thorough washing, rinsing, and acidification of the fabric to remove any residual substances, such as sizing or anionic materials, that may destabilize the finishing bath.
- Use soft water (hardness  $\leq 300$  ppm) for preparing the finishing bath.
- Adjust the finishing liquor to a pH range of 5–6 using a monobasic acid like acetic acid (avoid formic acid).

## Padding Process:

- **For woven and knitted fabrics:**
    - Add 10 – 30 g/L of NARMADA FINISH AURA
    - Maintain liquor pick-up between 60 – 80%
    - Dry under standard drying conditions (temperature below 180°C).
  - **For bathmats:**
    - Use 0.5 – 2.0% NARMADA FINISH AURA (on fabric weight)
    - Dry under standard conditions.
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## 4. Storage Instructions

- If stored below 0°C, the product may solidify or its consistency may change.
  - To restore usability, heat the product to 20–25°C and mix thoroughly before use.
  - Store in a cool, dry environment away from direct sunlight.
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## 5. Important Notes

The recommendations provided are based on extensive testing and practical experience. However, these guidelines are not legally binding and should not override individual trials and suitability checks conducted by the user.

Users are advised to ensure compliance with all relevant safety and regulatory requirements. For additional information on safety and handling, refer to the Safety Data Sheet (SDS).