



# TEGOGLAS® RP 40

## For Cold-End Coating of Glass Containers

TEGOGLAS® RP 40 improves lubricity and scratch resistance at temperatures above 80°C.

**TEGOGLAS® RP 40 offers the following benefits:**

- High performance for extreme transportation and handling requirements
- Minimization of spots due to over-coating
- Tailor-made slip angle and excellent scratch resistance

**TEGOGLAS® RP 40 is particularly suited for the following types of containers:**

- thin-walled, lightweight glass containers (non-returnable containers)
- returnable glass containers
- food jars for hot-filling/re-cooling
- glass containers subject to extreme wear and tear during filling
- glass containers to be pasteurized or sterilized

**Properties:**

- long-lasting protection of the hot-end coating
- excellent wet scratch resistance during the filling process in zones where the glass containers accumulate and are exposed to pressure
- good wet smoothness after several treatments with alkaline solutions, and after sterilization and/or pasteurization processes
- excellent protection during transportation, and reduced glass fracture during filling and transportation
- considerably reduced scuffing of the glass surface after transportation, filling or other mechanical wear

**Application:**

TEGOGLAS® RP 40 is diluted in water and applied at the cold-end using a suitable spray system.

**Application concentration and working temperature:**

The basis for optimum performance of the cold-end coating is a hot-end coating with a tin oxide layer between 20 and 40 Ctus. If applied correctly, the resultant coating is virtually invisible. A dilution ratio of 1 : 100 is usually recommended, but this can be varied between 0.5 : 100 and 2 : 100 to optimize spray conditions. For the preparation of cold-end solutions we recommend the use of an automatic dosing unit. TEGOGLAS® RP 40 should be used for operating temperatures above 80°C.

**Application area:**

TEGOGLAS® RP 40 is especially suitable for containers with a high requirement of wet or dry scratch resistance, and a high resistance to washing and sterilization. It is suitable for containers requiring a high smoothness. And has a limited suitability for pharmaceuticals, depending on the filling product.

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**Compatibility:**

TEGOGLAS® RP 40 is highly suitable for labels comprised of Casein or Synthetic, as well as Self-Adhesive labels. It is also suitable for Starch labels. And is not suitable for Dextrine-based labels.

**Product Data:**

Active ingredient: modified polyethylene

Appearance: cream-colored, form dispersion

Solid material content: ~23 %

Specific weight: 1.0 g/cm<sup>3</sup> (20 °C)

pH: ~9

**Storage:**

Store in closed containers, and keep from freezing as material may separate. As with all polyethylene wax based product, it will not re-emulsify when brought back to room temperature from freezing. Product should be disposed of if freezing occurs.

**Disposal:**

Comply with all federal, state, and local regulations regarding disposal of this material. Dispose of in a permitted waste management facility. Determine waste classification prior to time of disposal and per 40 CFR 261 and dispose of accordingly. Transportation, storage, handling, processing, and use may alter the applicability of the information contained in this document.

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