

Kercoat® 500

A protective coating for returnable glass containers

Directly after the cleaning of the returnable glass container, Kercoat® 500 is applied at the exit of the bottle cleaning installation in order to directly protect the bottles during the filling process.

APPLYING KERCOAT® 500 WILL

- Bring slipperiness to the container surfaces
- Significantly reduce scuffing rate
- Provides a smoother travel through the filling line
- Double life time of the returnable container
- Decelerate the decrease of burst pressure strength for returnable glass bottles
- Reduce noise level on line
- Improve the carbon footprint of returnable bottles by increasing the number of cycles for each bottle

Kercoat® 500 is a weakly acidic stable ionic dispersion of partly oxidized polyethylene wax.

Product & User data	
Active ingredient	Partly oxidized PE wax
Specific weight	1.0 g/cm ³ (20° C)
Form	Dispersion
Colour	Yellow to Orange
pH	Slightly acidic

Kercoat® 500 is applied most efficient using Arkema's dedicated Kercoat® PVC¹ Spray coating system, application happens directly at the exit of the washing installation.

Every container leaving a pocket will be coated sufficiently to ensure full protection.

For more details, please refer to the brochure Arkema Returnable Coatings.

Kercoat® 500 can be applied on new containers still having their protective coatings and to already aged containers.

Kercoat® 500 is designed to be applicable with data printing and user friendly with common casein label adhesives for paper labels and all known types of self-adhesives.

APPLICATION CONDITIONS

Kercoat® 500 can be applied to dry and wet bottles in a wide temperature range, typically 10°C to 50°C.

CONSUMPTION

Consumption depends mainly on the amount and dimensions of bottles to be coated with Kercoat® 500.

STORAGE

Kercoat® 500 must be stored in closed containers at temperature between 5°C and 35°C. In case of a slight separation, the dispersion can be re-homogenized by stirring without impacting the quality of the product.

Coating agents based on polyethylene are generally susceptible to frost. Kercoat® 500 should therefore be protected against frost during transport and storage.

If stored at proper warehouse conditions and in closed containers, the shelf life is 2 years after production date.

PRODUCT SAFETY

On the basis of the Risk assessment done by TNO, using the Threshold Toxicological Concern Approach, which is supported by the World Health Organisation (WHO) and taking into account the real toxicological data available for several components of the above-mentioned product, Kercoat® 500 is not expected to result in adverse health effects for consumers according to the foreseeable conditions of use.

Please refer to our health and safety data sheet for information on health and safety matters.

DISPATCH

Packaging	Height mm	Depth mm	Width mm	Weight gross kg	Weight net kg
60 l non-returnable PE-Drums	645	395	335	63	60
600 l non returnable container	1000	1,200	800	646	600

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Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

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