

## OIL & GREASE BARRIER FOR FOOD PACKAGING AND MOULDED FIBERS

### Cartaguard® KMP liq

- / Strong and long lasting barrier to grease and water
- / Cationic fluoropolymer with PFOA being below detection limit
- / Particularly optimized for moulded pulp packaging
- / FDA and BfR approved



# / CARTAGUARD® KMP liq

**Cartaguard KMP liq** is a highly efficient grease and water resistant additive for the treatment of paper and board for food packaging.

This new product has been optimized for the application in the wet-end section of the paper machine, and for the manufacture of molded pulp packaging. Good results can be also obtained in surface applications.

**Cartaguard KMP liq** is based on a cationic fluoropolymer, which does not contain PFOA (below detection limit).

## **Wet-end application**

It is recommended to add **Cartaguard KMP liq** in the thick stock, after the refiners, at a level between 0.3 and 3.0% based on dry pulp, depending on the required level of grease and water resistance.

As a cationic polymer, **Cartaguard KMP liq** has a strong affinity with the fibers, however it might be necessary to add also a cationic fixative to reduce the negative charge of the fiber and neutralize the anionic trashes. For molded pulp, typical dosages are between 0.5% and 1.5% **Cartaguard KMP liq** based on dry pulp.

## **Surface application**

Typical dosages applied by size-press on the paper surface are 5 to 20 kg **Cartaguard KMP liq** per ton of treated paper. Usage rate depends of the required level of grease and water resistance and of many parameters, such as furnish, refining, internal sizing, paper basis weight, starch chemistry and concentration.

It is recommended to apply **Cartaguard KMP liq** at a slightly acidic or neutral pH, in a size-press color containing:

- 2 to 12% native, oxidized or cationic starch
- 1 to 3% Cartaguard KMP liquid

As **Cartaguard KMP liq** might generate foam under shear conditions, the use of a defoamer may therefore be necessary. Preliminary compatibility and efficiency tests must be implemented in the presence of the selected defoamer before applying **Cartaguard KMP liq** on the paper machine.

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**For additional technical service and/or laboratory assistance, contact your local Archroma representative or the Archroma Paper Department.**

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