



A RECYCLABLE WAX ALTERNATIVE COATING FOR CORRUGATED PACKAGING AND MULTIPURPOSE WATER BARRIER COATING

Cartaseal® HFU liq

- / Fluorine-free water barrier
- / FDA compliant



/ CARTASEAL® HFU liq

Cartaseal® HFU liq is a water barrier coating designed as a recyclable alternative to paraffin wax saturation. It is based on an aqueous formulation of special synthetic emulsions and can be applied by a variety of coating techniques, including film press, rod, air-knife, roll, gravure & blade coating, and typically applied as a single coated layer.

When selecting base papers or boards, surface properties such as water holdout, porosity and surface roughness can have a significant effect on barrier performance. Coat weight varies depending on the required level of barrier properties, but is generally in the range 2 to 5 g/m² of dry coating

(0.4 - 1 lbs/1000ft² or 1.2 - 3.1 lbs/3000ft²). The product can be diluted in any ratio with water in order to control the applied coat weight.

Cartaseal® HFU liq can be printed on using water based printing inks. The quality of the print is dependent on the Cobb level of the coating. For water-based printing, a Cobb 120 (2 minute Cobb) of > 20 g/m² for the coated surface is recommended. At this treatment level, good water-based glueability can also be achieved. If a Cobb 120 < 20 g/m² is required, then adhesion of the treated surface can be promoted by scuffing of the surface using an abrasive wheel on the area where glue is to be applied.

Corrugated board coated with **Cartaseal® HFU liq** can be re-pulped and re-used as broke in the production of recycled paper or board. The **Cartaseal® HFU liq** film has been designed to break down during repulping with no other additives needed to help the process. **Cartaseal® HFU liq** has been registered with the Fibre Box Association with registration number WP047. Your **Archroma** representative can discuss the recycling parameters as they pertain to your mill.

Typical Properties

Appearance	Opaque white emulsion formulation
Solid content	34% ± 1%
pH	≤10
Viscosity (Brookfield – 23°C)	500 – 1000 cps
Freeze-thaw stability	Not stable
Shelf life	1 year in original closed packaging at ambient conditions

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