

Melodea VBcoat Data Sheet



Product Description

Melodea VBcoat confer high water vapor barrier performance to eco-friendly packaging products that are based on paper, paperboard, and bioplastics.

Melodea VBcoat is used to reduce water vapor permeation and oil & grease penetration, together with reduced water absorption values of the substrate.

It can be applied by itself or on top of Melodea's Oxygen Barrier, MelOx.

Properties	Test Method	Value	Units
Grade	-----	FWB07	
Product form	-----	Water suspension	
Solid content	-----	40 ± 5	Wt%
pH	-----	5 - 10	
Viscosity	Brookfield, S63, 100 rpm, RT	100 - 800	cP
Water Vapor Transmission Rate (Coating weight of ~5 g/m ²)	ASTM F1249-13 and F3299-18	≤ 15	g/m ² ·day·atm @ 38°C, 90% RH
		≤ 2	g/m ² ·day·atm @ 23°C, 50% RH
Oil & Grease barrier (Coating weight of 1-5 g/m ²)	TAPPI T 559 pm-96	12	KIT rating
Water Absorption	ISO 535	≤ 1	COBB 60, g/m ²
Recyclability on paper	PTS-RH:021/97	✓	

How to use?

- Mix the suspension well before applying to assure homogeneity and fluidity.
- The coating formula is ready to use as is. It is highly recommended not to dilute or modify it.
- It is recommended to apply a total dry coating weight of 5 g/m².
- The most suitable coating technologies are Rod-coater or Gravure coating machines.

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Storage & shelf Life

- Exhibits good shelf-life stability of at least 6 months.
- Delivered in drums or IBC's.
- Since this is an aqueous dispersion, the product should be stored under cool but frost-free conditions (between 5°C and 25°C) out of direct sunlight.