

Winone **BIOPACK**

Water Resistant Coating for Paper

WINONE BIOPACK is a water-based, water, oil & grease repellent coatings specially developed for all kinds of pulp paper like kraft, duplex, corrugated box. (3ply, 5ply & above)



WINONE
Product Technologies

www.winone.com

Product

Description

WINONE BIOPACK is one-part high solids self-crosslinking water resistance printable coating specially developed for all kinds of pulp & kraft paper. It can be also used as wet strength binder to improve cob value / wet strength of the paper.

While providing excellent hydrophobic properties **WINONE BIOPACK** is printable with cold & hot laser, Solvent base and UVinks.

WINONE BIOPACK is self-crosslinking and cross linking takes in effect when coating is subjected to hot air for drying. After cross linking **WINONE BIOPACK** further increase the water and heat resistance.

Winone Biopack

Can also be used as

-  Multipurpose Corrugated Boxes
-  Ecommerce bags
-  Cold storage boxes
-  All Food Packaging

Physical PROPERTIES

APPEARANCE

Milky White

VISCOSITY

200 to 400
Cps

PH

7-9

% SOLIDS

50 ± 2 %

CHEMISTRY

Proprietary
Acrylic Polymer

Density

1.0 to 1.05
g/cm³

Key FEATURES

- Water based technology
- High percentage of solids
- High coverage
- Heat sealable
- Very fast drying (can be dried at ambient temp. if coat weight is optimized)
- Hydrophobic properties are achieved in as low as 3 gsm dry coat
- Recyclable and repulpable
- Provide excellent clarity and gloss
- Ease of application - Smooth coating finish
- Replacement to plastic lamination
- 100% water resistance performance
- Excellent scratch and UV resistance
- Recommended coat weight is 1 to 10 GSM depending on the type of paper and end use application

Application GUIDELINE

1

WINONE BIOPACK is suitable to be applied by various coating methods like Mayer Bar, Gravure coating machine, Varnish coating machine, any other paper coating machine or by basic means of brush and paint roller as per requirement.

2

WINONE BIOPACK coating can be diluted with water to adjust viscosity. Maximum recommended water addition should not exceed more than 20% otherwise it will affect final performance of the coating.

3

Recommended coat weight for WINONE BIOPACK is 1-10 gsm depending on performance, finish requirement.

4

It is mandatory to mix WINONE BIOPACK before every use to ensure proper mixing of coating and to avoid in lump formation in storage.

Tests & PERFORMANCE DATA



Water Immersion Test

Printed label samples left in ice bucket for 24 hours and water penetration observed

Result: Pass (No water absorbed)



Rub Resistance Test

100 Rub test with wet cotton swab

Result: Pass



Ink Adhesion Test

Tape test by 3M 810 Scotch Tape

Result: Pass



Coating Anchorage

Tape test by 3M 810 Scotch Tape

Result: Pass

Shelf LIFE

Recommended shelf life of the product is 12 months from the date of receipt. Product can be revalidated further for 3 months, after validation from WPT technical team.



Perfect Replacement to

BOPP & PVC
Lamination



Storage & HANDLING

Keep in tightly covered container. Store in cool place, if possible, below 30-degree c. should not be mixed with any other materials, polymer without consulting with Winone team.

Standard PACKAGING

WINONE BIOPACK is available in 200 kg or 50 kg non-returnable HDPE drums



Disclaimer

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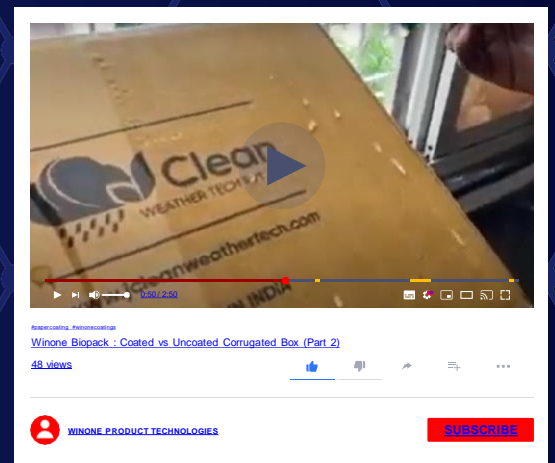
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We focus on solving pain area of the Industry, and make tailor made solutions for absolutely any problems. Contact us to gain advantage of our expertise in Coatings and Performance enhancing Nano-technology.

LEVERAGE OUR EXPERTISE . . .

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