



# TECHNICAL DATA SHEET

Product Name  
**EcoClear**

Product Type  
**Anti-fogging coating solution**

Product Grade  
**EcoClear AF20**

Printing date: 19.05.2022

Revision: 18.05.2022

Version No.: 04

## Product Description

**EcoClear AF20** is a special formulated water base coating solution that design to be applied on plastic surface to prevent fogs formation in both hot and chilled food packaging. In general, food packaging only requires anti-fogging performance that lasts the lifetime of the packaged food by maintaining its clarity and transparency so that the contents can be clearly seen.

## Product Benefit

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- Maintain optical property of the sheet (Clarity of coated sheet)
- Improve visibility of hot / chilled food in packaging
- Improve durability of antifogging on sheet and More susceptibility to adhesion

### Anti-hot/cold fogging performance



Without EcoClear AF20



With EcoClear AF20

#### Anti-Hot fogging

Finished Product at High Temp



Without EcoClear AF20



With EcoClear AF20

#### Anti-Cold fogging

Finished Product at Low Temp

### Good adhesion



Finger rubbing coated sheet



After rubbing : No strip on sheet

Compared with



Before rubbing sheet

## Typical Physical Properties

Characteristic	Unit	Value
Appearance	Visual	Light yellow liquid
Viscosity (@25°C)	cPs	6,000 max.
pH	-	6.0-8.0 (10% diluted solution)
Solid content	%	19.0-21.0



**EcoClear AF20 Solution**





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### Guideline Dosage

The effective concentration is 2.0% - 5.0% concentration of active substance on substrate.

### Guideline and Processing Condition

- Dilution Ratio: For PP film / sheet : 1:2 – 1:5 with water depending on shape of mold  
For PET film / sheet : 1:2 – 1:7 with water depending on shape of mold
- Usage:
  - Corona treatment on PP or PET film / sheet
  - Dilute concentrated EcoClear AF20 with water as recommended dilution ratio.  
Ensure sufficient and well mixing with water for consistent results.  
Remaining diluted solution can be stored for 3 days to avoid concentration change.
  - Apply diluted EcoClear AF20 solution on PP or PET film / sheet by standard application methods, such as roll-coating.

### Product Technical Assistance

For technical assistance or further information on the products, please contact Texlore Co., Ltd. at the address and telephone number as specified below in the footnote.

### Product Packaging

- 20 kg in 25 L PE Pail

### Storage

- Store in original container in tidy according to the manual of Handling and Storage from Texlore Company Limited.
- Product(s) should be stored in dry and dust free and well-ventilated area at temperature below 50°C (122F), avoid direct contact with sunlight and/or heat.
- Keep away from incompatible materials and food and drink, as this may lead to quality deterioration, e.g., odor generation and color changes, and may impart adverse effect on the physical properties of this product.
- Keep container tightly closed and sealed until use. Containers that have been opened must be properly resealed and kept upright to prevent leakage. Do not store in unlabeled container. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be sloped.





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## Safety

- The product is not classified as a hazardous material.
- Please see Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products.

For more information, please contact Texplore Co., Ltd. at the address or telephone number as specified at below

## Disclaimer

- The applications specified herein is for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose. The customer is responsible for appropriate, safe, legal use, processing and handling of the product.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warrant of merchantability or fitness for a particular purpose.
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