



# STARFIX LS-5500

(Lamination Adhesive For BOPP / PVC / Metallic Film)

## DESCRIPTION

**STARFIX LS-5500** is a milky white emulsion, based on synthetic resin emulsion. It is recommended for economical lamination of PVC, and BOPP film to paper, Metal film, duplex board, gypsum board and cement board. It has good wet tack, gloss & bonding strength.

## PHYSICAL CONSTANTS

Physical Appearance : Milky White emulsion.  
Volume solids, % : 51± 5  
PH (1:1Aqueous) : 4-5.5  
Viscosity : 20000 to 40000 cps

*The physical constants stated are nominal data according to the Star Adhesive approved formulas. They are subject to normal manufacturing tolerances.*

## APPLICATION DETAILS

Lamination Adhesive for laminating of Paper/Paperboard to BOPP/PVC and metalized film etc.

## APPLICATION METHOD

- For better performance **STARFIX LS-5500** is to be applied on plastic film. Only in case of window lamination it is to be applied on paperboard
- Adjust the roller for optimum deposition of **STARFIX LS-550**.
- Allow sufficient open time for evaporation of water from **STARFIX LS-5500** (Approx. 10-20sec.)

1. In case BOPP/PVC/Metalized film is laminated to paperboard, the surface treatment on the film is to be checked by laminator for getting bond. The level of surface treatment on film can be checked by applying poly-ink on film & then allowing it to dry for few minutes and then pressing a cello tape on the ink surface. The film having required surface treatment will have better ink adhesion when cello tape is lifted. Treatment of 38 dynes & above will give good lamination/bond results

2. For getting better bond sufficient pressure should be given at the point of nipping of 2 substrates.

3. For good bond lamination generally a coating of 5-10 gm/square meters (Dry weight) is recommended. Coating can vary depending on type of substrate used/deposition of printing ink & hence coating weight to be adjusted accordingly

4. Secondary operation like slitting can be done in 1-4 hours depending on substrate & ambient temperature & humidity

## STORAGE & SHELF LIFE

Store under cover, protect from direct sunlight and high temperature (>25°C). Shelf life is up to 12 months in unopened container when stored as directed.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.



### **CLEANING**

Clean all the tools with aromatic solvent.

### **PACKING**

**STARFIX LS-5500** is available in 20 kg pail, 200 kg. metal drum.

### **HEALTH & SAFETY**

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

**INHALATION:** Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting.

Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

**SKIN CONTACT:** Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

### **WARRANTY**

*The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and responsibility is limited to the quality of supplies with no guarantee of results in the field, as manufacturer has no control over site conditions or execution of work.*

## **Star Adhesive & Resin Ind. Factory**