

GLUit-FN 4950/FH 4955 is a Solvent free two component polyurethane adhesive system to be processed at 35 – 40°C

### Specification:

PRODUCT SPECIFICATION	GLUit-FN 4950	GLUit-FH 4955
COMPONENT	NCO	OH
SOLIDS in %	100	100
VISCOSITY @ 25°C in cps	4000 – 5000	4500 – 5500
DENSITY in gm/cm <sup>3</sup>	1.2	1.18
COLOUR	Colourless to Pale Yellow	Colourless to Pale Yellow
APPEARANCE	Clear to Slight Hazy	Clear

Viscosity is measured by Brookfield DVII\*

### Application Area:

GLUit-FN 4950/FH 4955 must be processed on laminating machine designed for solventfree adhesive system. It is suitable for lamination of film to film, film to metallized films, with or without interior printing. It exhibits good optics on white background when laminated to metalised films. The product has good runnability on machine with excellent potlife.

PROCESS PARAMETER	GLUit-FN 4950	GLUit-FH 4955
COMPONENT	NCO	OH
MIXING RATIO BY WEIGHT	100	80
MIXING RATIO BY VOLUME	100	81
TEMPERATURE PROFILE		
PREHEATING °C	40 – 45	40 – 45
DOSING UNIT °C	40 – 45	40 – 45
APPLICATION °C	40 – 45	
NIP °C	40 – 60	
COAT WEIGHT gm/m <sup>2</sup>	1 - 3 (depends on substrate, print and application)	
POTLIFE @ 40°C	after 45 mins 5000 ± 500 cps *	

### Curing

Curing of the laminates depends on the substrates used, applied coating weight and storage condition. Further processing of the laminates for 3-ply, Rewinding or slitting is possible after 24 hours if stored at above 30°C. Processing of pouches should take place after complete cure of the laminate which is achieved after 7 – 10 days depending on the temperature and humidity conditions.

### Time:

### Cleaning Guidelines:

In case the machine stops for more than 30 mins, the coating unit has to be cleaned with solvents like ethyl acetate, MEK or acetone before starting the machine. The same cleaning process has to be observed at the end of the run.



# GLUit-FN 4950/FH 4955

2K Solvent Free Polyurethane System

## Storage Guidelines

GLUit-FN 4950 have a storage of 9 months and GLUit-FH 4955 for 12 months if stored in a cool and dry environment in original unopened container. The opened containers of GLUit-FN 4950/FH 4955 should be closed tightly and must be used as soon as possible.

## Caution

GLUit-FN 4950 is an MDI based polyisocyanates and contains more than 2% of MDI monomer, any contact with skin should be avoided. Safety regulations with regards to handling of isocyanates have to be followed. Please refer to the local safety instruction and our safety data sheet.

## Food Legislation

GLUit-FN 4950/FH 4955 is in compliance with the positive lists of the internationally accepted guidelines for the production of articles intended to come into indirect food contact. Since Food contact regulatory requirement are constantly evolving, you can ask you usual contact to forward your request.

GLUit-FN 4950/FH 4955 is **BADGE-free**.

## Remark

Our technical support team is always ready to assist you the usage of the adhesive. Prior to the regular production, we recommend you to verify the suitability of our product with the other components of the laminates. Please refer to our general technical brochure

## DISCLAIMER

The information provided in this data sheet is based on our knowledge and experience. There are many variables at laminators end which will influence the performance like the machine running parameters, operational conditions, various structures used and ambient conditions which are beyond our control. We advise our customers to make their own determination of suitability of this product for their application by making trials at their end. As such this information is offered in good faith but we cannot accept any liability.

### Jupiter Laminators Pvt Ltd.

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