

TECHNICAL DATA SHEET

Polycover HP 01

Polycover HP B

TYPE OF ADHESIVE

Polycover HP 01 / HP B is a two-component solvent polyurethane-based adhesive, particularly designed for the laminating of all sorts of plastic films, OPP, CPP, FIDPE, LDPE, PET, PA, cellophane (DX, XS and DX) and aluminium. And the films like as: EVA, EVOH, PVOH, etc.

This product is specially designed for laminations requiring high temperature and good chemical resistance. It is suitable for the transparent film complex sterilization test. You can get also excellent results using white paint in combination with metallized films.

CHEMICAL CHARACTERISTICS

| PRODUCT | Polycover HP 01 | Polycover HP B |
|-----------------------------------|-------------------------|------------------------|
| Solid content (%) | 70 | 75 |
| Viscosity (Brookfield, 25°C, cPs) | 1300 ±100 | 1600 ±400 |
| Density | 1,15 g/crn ³ | 0,97 g/cm ³ |
| Reagent group | OH | NCO |
| Colour | Slightly yellow | yellow |

PREPARATION OF THE BLEND

Proportion:

| Rate | Polycover HP 01 | Polycover HP B |
|--------|-----------------|----------------|
| Weight | 100 | 15-20 |

Pot life

The pot-life of the blend ranges between 8 and 20 hours at the usual application temperature and depending on the working place conditions.



APPLICATION

Application systems

Polycover HP 01/HP B, is applied by means of laminating machines prepared for the work with solvent adhesives. Owing to the nature and properties of the adhesive, the use of a dosing equipment makes the handling of the product easier and helps us to get a most suitable blend.

Amount of adhesive

Taking into account the aim of the work that must be done and the elements involved in such an operation, the most advisable amount is comprised within 1 and 4g/m²

PROCESSING AND CURING

Calendering

The best calendering temperature is between 50-60° C, but is possible to work at room temperature as well.

Curing

Thanks to a good adhesion and a quick curing, the item produced can be handled after 4 hours from its lamination. At the end of two days the item is completely cured.

CLEANING

Any part of the machine having been exposed to direct contact with the product ought to be cleaned with suitable solvents immediately after the operation. It is advisable to carry out a preliminary cleaning of the application zone by means of a liquid cleaner.

FOOD REPORT

The Polycover adhesives range complies with the following rules and meets requirements: FDA part 175 paragraph B section 17.105, FDA part 177 section 177.1390, FDA part 177 section 24/65, BFR XXVIII ECC 2002/72/CE (UE).

PROPERTIES OF THE ADHESIVE ONCE CURED

Once cured and completely dried, the adhesive film is transparent, odourless, elastic and resistant to ageing.

USEFUL LIFE AND STORAGE

Since the useful life varies a lot due to reasons beyond the manufacture and packaging of the product (storage conditions, carriage, etc), we guarantee the perfect condition of the product up to six months from its manufacture. Should the product be used after that date, some preliminary tests must be carried out.

The product has to be kept tightly closed in its original container and stored at a temperature between 5 and 20 °C.



REMARKS

Polycover HP 01/HP B, owing to the fact that Polycover adhesives contain polyisocyanates, all direct contact with the skin must be avoided.

Owing to the variety of working conditions, to the materials to be used and to the different nature of the products to be packed, our above indications should be considered for guidance only. Each user should apply the product taking into account its means and experience.

The Information provided herein, especially recommendations for the usage and the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.

