

TECHNICAL DATA SHEET

POLYCOVER SB 70 POLYCOVER SB 70 B

TYPE OF ADHESIVE

Polycover SB 70 / SB 70B is a two component solvent-based polyurethane adhesive, particularly designed for the lamination of all kind of films, aluminium, paper and combinations : OPP, CPP, HDPE, LDPE, PET, PAPER, AL, PA ext. Due to the high solid content less application amount and low solvent ratio.

- Universal

SPECIFICATIONS

	Polycover SB 70	Polycover SB 70B
Solids	NCO-70	OH-100
Viscosity (25°C Brookfield)	1200±200 cps	900 ±200 cps
Solvent	ETHYL ACETATE	

MIXING RATIO

Polycover SB 70	100
Polycover SB 70 B	10
Solvent	100 (viscosity will be 13-15 sec. Ford Cup 4)

DILUTION:

The most suitable solvents are ethyl acetate, acetone, methylethylcetone (MEK), at a rate of 300 ppm of water at most. The use of solvents containing alcohol should be avoided.



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POT LIFE

The pot-life of the blend is around 24 hours in the machine. Depending on the working conditions, the life of the mixture may be 8 hours.

APPLICATION

POLYCOVER SB 70 S / SB 70B is applied in laminating or printing machines provided with lamination unit and drying tunnel.

AMOUNT OF ADHESIVE

The most advisable amount is comprised within 0,8 and 5 g/m² of dry residue.

PROCESSING AND CURING

DRYING TEMPERATURE

The recommended lowest drying temperature is between 60 and 80°C, depending on the speed of the machine and the volume of air existing in the drying tunnel (minimum suggested: 45 m/sec).

CALENDERING

The best calendering temperature is between 50 and 80°C (the reference figure is 4 kg/cm² of pressure at 80°C).

CURING

Thanks to a good adhesion and a quick curing, the item produced can be can be rewound and cut within 8 hours (depending on the kind of support being treated). At the end of 48 hours 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.



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PACKING

25 Kg Metal can (Adhesive)	On Pallet: 600 kg (24 cans)
20 Kg Metal can (Hardener)	On Pallet: 480 kg (24 cans)
200 Kg Metal barrel	On Pallet: 800 kg (4 barrels)

FOOD REPORT

The Polycover adhesives range complies with the rules and meets requirements of FDA Part 175, paragraph b, section 175.105 and the European ECC 2002/72/CE (UE) about materials that are to be in contact with food.

PROPERTIES OF THE ADHESIVE ONCE CURED

Once cured and completely dried, the adhesive film is transparent, odorless, 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 2 years 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

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 a guidance only. Each user should apply the product taking into account its means and experience

The information given herein is, to the best of our knowledge, true and accurate. But it is given as a guidance only and is not to be taken as a warranty of results.

