

TECHNICAL DATA SHEET

POLYCOVER SLM POLYCOVER SL B

POLYCOVER SLM and SL B is a two-component solventless polyurethane-based adhesive, particularly designed for the laminating of all sorts of plastic films: OPP, CPP, HDPE, LDPE, PET, PA, cellophane (DX, XS and DX) and aluminum. And the films like as : EVA, EVOH, PVOH, etc.

- Strong Bonding
- Fast Polymerization

TECHNICAL CHARACTERISTICS

	POLYCOVER SLM	POLYCOVER SL B
Solids	100	100
Viscosity (Brookfield at 25°C, mPa.Δ)	3000 ± 500	900 ± 100
Density	1,15 g/cm ³	0,96 g/cm ³
Color	Slightly yellowish	-
Functional character	NCO	OH

PREPARATION OF THE BLEND

RATE

	POLYCOVER SLM	POLYCOVER SL B
In weight	100	95
In volume	100	120

POT LIFE

The pot life of the blend ranges between 30 and 45 minutes at the usual application temperature.

APPLICATION

APPLICATION SYSTEMS

POLYCOVER SLM and SL B is applied by means of laminating machines prepared for the work with solventless 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.



APPLICATION TEMPERATURE

The application temperature of the adhesive is 30-40°C.

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 3 g/m².

PROCESSING AND CURING

CALENDERING

The best calendering temperature is 50°C, but it 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 24 hours from its lamination. At the end of a week 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 rules and meets the requirements of FDA, part 175, paragraph B, section 175.105 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, odourless, elastic and resistant to ageing.



USEFULL LIFE AND STORAGE

Since the useful life varies a lot due to reasons beyond the manufacture and the packaging of the product (storage conditions, carriage, etc), we guarantee the perfect condition of the product up to two year 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.

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)

REMARKS

POLYCOVER SLM and **SL B** has a low free-monomer content and has been specially designed to minimize the problems that may arise from the formation of polyureas due to the chemical interaction with the additives used in the manufacture of PE. Therefore, it is a very suitable adhesive to get round the traditional difficulties generally created by migration.

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.

