



DESCRIPTION

RESINLUX 210 is one-component solvent free polyurethane adhesive at 100% solid, used for the production of sandwich elements and other industrial applications. The adhesive is designed for air-spray applications.

The adhesive gives outstanding adhesion to many substrates.

TYPICAL USE

RESINLUX 210 could be used for combination like:

Polystyrene, Polyurethane and P.V.C. foam, glass reinforced plastics, foam glass, steel and aluminium sheets, melamine plates and many others. It is suitable to bond pedestals for raised floors. The finished bonded materials are typically used in the building industry, caravan and cold store production, train, ship-Truck, doors and so on.



Table 1 – Technical data

	Test standard	U.M.	Value	Tolerance
Physical form			Dark brown liquid	
Solids content			100%	
Viscosity (25 °C)		mPa*s	4000	±500
Density		g/cm ³	1.1	
Open Time at 20 °C / 50% R.H.		min	20 approx.	
Cure Time at 20 °C / 50% R.H.		min	60	
Flash point			No	
VOC content	UNI EN 16000	ug/m ³	<100	



GENERAL INFORMATION

The open-time is dependent on the surrounding temperature and relative humidity.

For one side application, the open time is the period during which a joint must be put under pressure in order to obtain the necessary degree of counter-wetting by the adhesive for a 100% bond to be achieved.

The values gave are averages for coating-weight of 100 g/m² at 20 °C and 50% R.H.

If the R.H. is below 50% the adhesive layer can be overspread with a fine water mist.

The amount of water required is in a range of 2-4 g/m².

Before following this procedure it is advisable to contact our technical service department.

PREPARATION OF MATERIALS

The surface to be bonded should be dry, clean and free of dust, oil, fat and residual release agents should be removed with cleaning solvents like esters or ketones.

For the untreated metal surfaces we recommend the use of treatment, for example: Epoxy, Alkyd or dichromate primers, in order to achieve higher sheer properties and hydrolysis resistance.

STORAGE AND PACKING

The adhesive should be stored in cool and dry place.

In order to avoid water contamination the drums should be kept close.

In sealed containers the storage stability of the RESINLUX 210 is 6 months.

Bottle of 0.5 kg.

The product must be stored at a temperature of at least 10 °C.