Infinity Bond PUR 250180

Reactive PUR Hotmelt

- For assembly bonding
- Good adhesion to different materials such as polystyrene, wood, wood based materials, PVC, aluminium, sheet metal (depending on the material a pre-treatment is necessary)
- Because of the long open time, also suitable for large surfaces

- 2 layer parquet manufacture in continuous production
  Bonding of shipbuilding

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Complies with IMO
FTOC Part 5 &
Part 2. Approval
according to test
certificate BG Verkehr
(department maritime
safety) for
international use according to **Module B**) Approval number: 118.274
(XX = production year)
Certified application quantity: 60 g/m²

Advantages

- Following cross-linking highly stressed bondings are achieved; they are very resistant to heat, water and cold
- Low processing temperature
- Long open time
- Very good application properties with doctor blade, spray-nozzle, roller
- Suitable for application with slot nozzle

Properties of the adhesive

Base:	polyurethane
Density:	approx. 1·1 g/m³
Viscosity (on the day of production)	
Brookfield HBTD 10 rpm:	
at 120°C	6,000 ± 2,000 mPa·s
at 140°C	3,000 ± 1,000 mPa·s
Identification:	identification required according to the hazardous substances regulations GefStoffV; contains diphenylmethane-4,4'-diisocyanate (see our safety data sheet)
Note:	Intended for commercial use only.

Attention
When Hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Precautions should be taken to eliminate the vapours, e.g. by using a suitable ventilation system.

Application techniques

For assembly bonds the adhesive is applied by means of nozzles, slot nozzles or sprayed. Guns suitable for PUR Hotmelts may be used or pre-melting systems with heated hoses and application heads.

Application temperature:	120-140 ℃.
Open time:	4 mm bead **/** 120 ℃ 3 minutes
Press time:	10-30 seconds
Reaction time:	up to 7 days (depending on material and ambient temperature)

Chemical cross linking of PUR hotmelts requires moisture. Therefore sufficient air humidity has to be present during processing

Application devices

- Cartridge hand pistol for manual application
- Melting tanks with nitrogen protection
- Bulk melters for 20 and 200 litre drums
- Sealed roller systems, nozzle applicators and slot die extruders

Cleaning

When finished working with Infinity Bond PUR 250180 empty the application aggregate or drain off the remaining PUR Hotmelt. Immediately insert EVA Hotmelt purge Compound melt and discharge it until the last traces of PUR Hotmelt have been removed. Cured Hotmelt can only be removed mechanically.