



# TECHNICAL LEAFLET

SUNSTAR ENGINEERING INC.

## PENGUIN CEMENT # 919LA

### a). Use and Type

PENGUIN CEMENT #919LA is a one component, urethane based adhesive designed to bond a variety of door-trim ornaments and pillar-trims for automotive used.

### b). Characteristics

1. Bonds a variety of urethane foam composite materials by one-side application at room temperature (applying adhesive only base materials)
2. Adheres to variety of base materials like PVC, TPO, ABS.
3. Suit for rebonding.
4. Excellent heat resistance.
5. Applicable to a process for a two-component adhesive.

### c). Physical Properties

Appearance	: Red Transparent-liquid
Solids content	: 40%
Viscosity	: 220 cps/20°C
Specific gravity	: 1.00

### d). Bonding Properties

Drying condition	: 5°C X 0.5 sec.	35°C X 10min
Peel strength (kg/25mm)		
Initial 1	0.4 CF	0.8 CF
Initial 2	0.4 CF	0.9 MB
Ordinary state	0.9 MB	0.9 MB
Creep resistance (mm)	0	0

\* Substrate; Base material: Soft polyvinyl chloride, laminated on wood fiber board.