



# TECHNICAL LEAFLET

SUNSTAR ENGINEERING INC.

## Non-Solvent type Mastic Adhesive PENGUIN CEMENT P-6135

**Penguin Cement P-6135** is a synthetic rubber based non-solvent mastic adhesive. This mastic adhesive is designed to bond inner panels to outer panels used for hood, trunk lid or roof automobiles. As an anti-fluttering adhesive, Penguin Cement P-6135 provides excellent elasticity and bonding performance.

### 1). Characteristics

1. Excellent adhesion and stability to oily steel, pre-coated steel, zinc-coated steel and aluminum.
2. Excellent rust prevention.
3. Excellent shower resistance.

### 2). Applications

1. Bonds outer panels to inner panels for hood, trunk lid, roof, door, etc
2. An adhesive/sealant to bond and seal body joints.

### 3). Bonding Properties

Appearance	: White Paste
Viscosity (20°C)	: $350 \times 10^4$
Specific Gravity	: 1.36
Non-Volatile Content (%)	: 99%
Sagging	: 0 mm
*Viscosity	: BS type rotor x 2 rpm
Percent solids	: 3 hours at 105°C
Hardness (160°C, 15 mins)	: 12
Elongation	: 250%
Rust Prevention	: Good
Shear Strength (kgF/cm <sup>2</sup> )	

Ordinary State	: 5.5
Water Resistance	: 5.7
Heat Aging	: 7.3
Over Baking	: 8.3
Strength at Break (kgF/cm <sup>2</sup> )	: 3.0
*Shear strength (50mm/min)	
Water Resistance	: 7 days in 40°C water
Heat Aging	: 10 days at 100°C
Over Baking	: 20 min at 200°C
Elongation, Strength at Break:	Type 2 dumbbell, 50mm/min

#### 4). Application Technique

**Penguin Cement P-6135** is applied with a flow gun connected with high-pressurized drum pump.

#### 5). Precautions

1. Keep at cool and dark place.
2. In case of skin contact, wash thoroughly with soap and water
3. In case of eye contact, wash out with water for more than 15 mins and immediately get medical care.
4. If swallowed, immediately call a doctor.

#### 6). Packaging

Drum	250 kg
Pail can	25 kg