

## PRODUCT DATA

### PURFLEX

#### **Description**

Purflex is a single component polyurethane based sealer and adhesive formulated to meet a variety of needs within the vehicle construction and repair areas.

The material cures by reaction with atmospheric moisture to form a high performance, permanently flexible sealant and adhesive. Skin and cure times are dependent upon humidity and temperature, with increased levels producing faster reaction.

Purflex has been specifically formulated to offer the following characteristics.

- |                        |                      |
|------------------------|----------------------|
| ★ Fast Cure            | ★ Non Slumping       |
| ★ Permanently Flexible | ★ Excellent Adhesion |
| ★ Low Odour            | ★ Overpaintable      |
| ★ Non Toxic            | ★ Low Shrinkage      |

#### **Application**

Purflex can be applied directly from the cartridge or sausage using standard hand or air operated guns and is recommended for the following typical applications:-

##### **Vehicle Building**

- ★ Vehicle bodies and cab construction
- ★ Bonding of vehicle trims and mouldings
- ★ Waterproofing of lap seams in truck trailers
- ★ Floor bonding including sub floors and floor plates
- ★ Bonding/sealing in construction of joints and materials including prepainted metal, aluminium and plastics/composites
- ★ Sealing of all joints including, body to cab (motor home), underside, roof joints, curtain wall joints
- ★ Sealing around window and door openings, skylights, door hinges, air conditioners
- ★ Bonding of rubber door gaskets and profiles

##### **Crash Repair**

- ★ Sealing of welded seams, lap panels, wheel-arches, bodywork joints
- ★ Sealing around headlamp mounts, sun roofs, door rebates, skylights
- ★ Bonding of wheel-arches, front and side panels, roof and door skins
- ★ Bonding of interior /exterior accessories including decorative trims, badges, mud flaps, protective strips

#### **Packaging**

310ml cartridges, 310ml sausages, 400ml sausages, 600ml sausages, 24 kilo pails and 240 kilo drum

## **PUR.FLEX**

### **Technical Information - Typical Data**

Colour	White, Black, Grey
Specific Gravity at 20°C	ca 1.23
Skin Time	45 minutes *
Cure Rate (24 hours)	3mm *
Hardness (Shore 'A') (DIN 53505)	40 - 45
Tensile Strength (DIN 53504)	2.00 N/mm <sup>2</sup>
Elongation at Break (DIN 53504)	>400%
Shear Strength, 5mm overlap (DIN 535283)	1.8 N/mm <sup>2</sup>
Tear Strength (DIN 53515)	10 N/mm <sup>2</sup>
Volume Change (DIN 52451)	<5%
Application Temperature	5°C to 35°C
Service Temperature	-40°C to 90°C
High Temperature Resistance	120°C
Extrusion Rate (6mm nozzle/3 bar at 20°C)	ca 700 grams/minute
* DIN 50014 Standard conditions, 23°C and 50% Relative Humidity	

**Storage** Recommended storage temperature range 10°C to 25°C

**Shelf Life** 12 months, when stored in dry conditions at recommended temperatures

Due to variation of work conditions, substrates and climate, it is important that trials are conducted to confirm the suitability of these products for their intended application.

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