



AEROK®

PYROK®

TECHNICAL DATA SHEET

**FORMOA 087GP**

**TECHNICAL CHARACTERISTICS**

Base	MS Polymer®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 5 minutes (20°C/65% R.V.)
Curing Rate (*)	3 - 4 mm/24h
Hardness	68 ± 5 Shore A
Specific Gravity	1,52 g/ml
Maximum Deformation	± 20%
Temperature Resistance (fully cured)	-40°C to +90°C
Elasticity Modulus 100%	2,00 N/mm <sup>2</sup>
Tear Strength	2,80 N/mm <sup>2</sup>
Elongation at Break	> 250%
Shear Strength	> 2 N/mm <sup>2</sup>
Substrate	AlMgSi1
Thickness	2mm
Shear Velocity	10 mm/min

(\*) These values may vary depending on environmental factors such as: temperature, moisture and type of substrates.

**PRODUCT**

Formoa 087GP is a high quality single component adhesive-sealant with high stiffness and very high adhesive strength. It is based on MS Polymer®, chemically neutral and fully elastic.



FORMOA®

FORBOND®

PUROK™

## APPLICATIONS

- For use in glass bonding applications in the car, coach, caravan, marine, train, aerospace industries where a tough and flexible bond is required
- Structural elastic bonding between metal surfaces, coated surfaces and many plastics (not PE, PP, Teflon)
- Vehicles which pass through paint tunnels
- Structural bonding in vibrating constructions
- Backfilling/seaming between glass and body side

## CHARACTERISTICS

- High performance mechanical properties
- Combines high stiffness with very high bond strength
- High green strength, quick build-up of end strength, high sheer strength after full cure
- Does not contain isocyanates, silicone, solvent
- Can be sanded after full cure
- Flexible elastic rubber - movement accommodation up to 20%
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish
- Colour stability and UV resistance
- Can be painted wet-on-wet in paint trains with most industrial paints
- Withstands all climatic conditions
- Minimal health and safety considerations

## PACKAGING

*Colour:* Black  
*Packaging:* 290ml cartridge, 600ml foilpack, 20 L pail, 200 L on request

## SHELF LIFE

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

## RESISTANCE TO CHEMICAL AGENTS

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

## SUBSTRATES

<i>Nature:</i>	Clean glass and body side frame using Formoa Surface Activator. Allow 10 minutes to flash off and activate. A 'milky' white residue left on the glass is correct
<i>Priming:</i>	Non fritted glass needs to be primed with Formoa Primer PG (see TDS for Formoa PG for application)

## APPLICATION

<i>Method:</i>	Manual or pneumatic chalking gun
<i>Application temperature:</i>	+5°C until +30°C
<i>Cleaning:</i>	White Spirit or Surface Cleaner immediately after application and before skin formation
<i>Tooling:</i>	Soapy solution before skin formation
<i>Repair with:</i>	Formoa 087GP

## HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene.

## REMARKS

Formoa 087GP can be coated with many types of paints and varnishes. Due to the large variety of paints and coatings a compatibility test is strongly recommended. The drying times of alkyd resin based paints may increase.

Formoa 087GP can be painted immediately after application "wet on wet" with waterbased industrial paints in paint ovens at temperatures of up to 200°C for up to 45 minutes.

Formoa 087GP can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer, we recommend preliminary compatibility tests.

This product cannot be used as glazing sealant.

See specific application instruction, available on request

The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered.

Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Forgeway, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user.