

# FORMOA®

# FORMOA® FR

## The Product

FORMOA® FR is a fire resistant (according to DIN4102, B1) sealant/adhesive, for applications where exact colour match and fire performance are required with no diminution in performance when exposed to extreme conditions and demanding environments.

FORMOA® FR provides a fire resistant, colour co-ordinated seal/bond with excellent weathering resistance. Specifically developed to cover a wide range of industries and applications including sealing and bonding joints on composite, GRP, polycoated steel, concrete, masonry, painted surfaces, flexible and rigid PVC/EPDM, etc. FORMOA® FR is suitable for both internal and external use.

There are now over 140 colours available from current formulations but we can manufacture bespoke colours matched specifically to your substrate or colour reference.



## Technical Characteristics

Base	FORMOA® Polymer	Temperature Resistance	-40°C to +90°C
Consistency	Stable Paste	Elongation at Break	>400% (DIN 53504)
Curing System	Moisture Cure	Shear Strength	>1.1N/mm <sup>2</sup> (DIN 53504)
Skin Formation (*)	20 min (23°C/50% RH)	Curing Rate (*)	2-3mm/24h
Hardness	±25 (DIN 53505) Shore A	Change in volume	<3%
Maximum Deformation	±20%	Specific Gravity	1.47 g/ml

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





## Characteristics

- › Primerless adhesion
- › High UV resistance
- › High specific adhesion
- › Silicone, isocyanate and solvent free
- › Easy to extrude
- › Low odour
- › Excellent long term durability
- › No bubble formation

## Applications

- › Internal / External sealing in mass transportation, aerospace and construction industries.

## Packaging

### Colour

- › Available in over 140 colours, but we can make any bespoke colour, matched to your substrate or colour reference.

### Pack Size

- › Cartridge 290ml

## Resistance to Chemical Agents

GOOD	Water, Oils, Greases, Aliphatic Solvents, Diluted inorganic acids and alkalis
MODERATE	Aromatics, Esters and Ketones
NOT RESISTANT	Chlorinated hydrocarbons and concentrated acids

## Shelf Life

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

## Health & Safety Recommendations

- › Apply the usual industrial hygiene

## Substrates

**Nature:** Clean, dry, free of dust and grease.

**Priming:** Formoa<sup>®</sup> Surface Activator may be used on non porous surfaces. We recommend preliminary compatibility tests previous to application.

## Application

**Method:** Manual or pneumatic caulking gun

**Application Temperature:** +1°C until +30°C

**Cleaning:** White Spirit or Surface Cleaner immediately after application and before curing.

**Tooling:** With soapy solution before skin formation

**Repair With:** Formoa<sup>®</sup> FR

### Remarks

Formoa FR may be overpainted with most types of lacquer used in industrial applications, however, due to the large number of paints and varnishes available, we strongly advise a compatibility test before application. The drying time of alkyd resin based paints may increase. Formoa 069 can be applied to a wide variety of substrates. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. The directives contained in this document are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

