

MATERIAL TECHNICAL DATA SHEET

FORMOA 066

TECHNICAL CHARACTERISTICS

Base Material	MS Polymer
Consistency	Stable paste
Application Temperature	+5°C to +40°C
Specific Gravity	1.45g/ml
SHORE A Hardness (DIN 53505)	63
100% Modulus (DIN 53504)	1.4N/mm ²
Tensile Lap Shear Strength (ASTM D1002)	2.3 N/mm ²
Tensile Strength (DIN 53504)	2.6 N/mm ²
Elongation at Break	405%+
Skin Formation Time (*)	14 minutes (at 20-26°C / 50% R.H.)
Curing Time (*)	3.5mm (per 24 hours at 20°C / 50% R.H.)
Permanently Elastic at Temperatures(*)	-40°C to +120°C

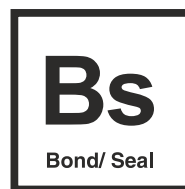
(*) These values may vary depending on environmental factors such as: temperature, moisture and type of substrates.

PRODUCT

Formoa 066 is a high quality single component joint sealant, with high adhesive strength based on MS Polymer®. It is chemically neutral and fully elastic. For use in low movement joints in construction, automotive, marine and aerospace areas, where a tough, flexible rubber is required.

CHARACTERISTICS

- High bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- High performance mechanical properties
- Flexible elastic rubber - movement accommodation up to 20%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Primerless adhesion (except where capillary water pressure can occur)
- Very easy to tool and finish
- Good extrudability and UV resistance
- Ecological advantages - free of isocyanates, solvents, halogens and acids



- Minimal health and safety considerations
- Can be painted with all water based paints and many other systems
- Resistance to many chemicals
- No staining of porous materials such a natural stone, granite, marble, etc

APPLICATIONS

- Sealing and bonding in the building industry
- Structural bonding in vibrating constructions
- Sealing of trafficated floor joints and low movements wall joints
- Joints in high rise constructions
- Connection joints in sheet metal fabrication
- Supple bonding in car bodies, caravans and containers

PACKAGING

Colour: White, Black, Grey, other colours on request
Packaging: Cartridge 290ml, Foil Pack 600ml, Hobbock 20L and Drums 200L 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.

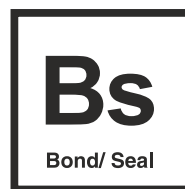
Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

SUBSTRATES

Nature: Clean, dry, free of dust and grease

Priming: Porous surfaces should be primed with Primer PP.
Formoa 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 066

HEALTH AND SAFETY RECOMMENDATIONS

Apply the usual industrial hygiene.

REMARKS

Formoa 066 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 066 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 066 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.