

Technical Data Sheet

## FA810

### Clean Area Sealant

06-12-2024 / V 1

#### Description

FA810 is a gun grade clean room silicone sealant with high resistance to microbial growth and helps prevent a build-up of bacteria and fungal microbes.



#### Features and Benefits

- Meets requirements of EN ISO 846 (Method A & C) and VDI 6022 (Ventilation & Air Conditioning)
- Tested according to FDA CFR21§177.2600 by IANESCO (France)
- High resistance to microbial growth, helps prevent a build-up of bacteria and fungal microbes
- Odourless after curing
- Free of MEKO, isocyanates, flame retardants, BPAs, PAHs, phthalates, fluorine, bromine and ozone-depleting compounds

#### Usage Purpose

Sealant for the air and water tight sealing of joints and assemblies in clean rooms, laboratories, hospitals, cooling and storage areas and other such applications where hygienic conditions prevail.

#### Available Colour

Pure White



122 PURE WHITE

#### Shelf Life

18 Months

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### Primer Recommendation

Surface	Primer proposal
ABS	AT105
Aluminium	+, AT105, AT120
Anodised aluminium	+, AT105, AT120
Stainless steel	AT105, AT120
Iron	+, AT105, AT120
Tiles, glazed	+, AT105, AT120
Tiles, not glazed	+, AT101
Hot-dip galvanised steel	AT105, AT120
Glass	+
Glass fibre reinforced polyester	+, AT105, AT120
PMMA	AT105
Polycarbonate	+, AT105, AT120
Polypropylene	AT120
PVC-U	AT105, AT120

The recommendations above refer to areas of application with normal conditions and are intended to be of an indicative nature due to the variety of possible material variants:

+ no primer required

+, . . . Experiments have shown that it is often possible to work without a primer, but not always. This depends on the conditions which may occur in practice, the exact composition of the adjacent materials and the nature of the adhesive surfaces. Since conditions are often unpredictable, we recommend appropriate preliminary tests in cases where it is uncertain whether primers are required.

– Use is not recommended. This generally applies to substrates such as polyethylene, silicone, butyl rubber, neoprene, EPDM, materials containing bitumen or tar (black paint).

### Technical Characteristics

Specific Gravity	DIN 52451-A	1.31 g/cm <sup>3</sup>
Film Formation Time	' @ 23 °C / 50 %RH	20 minutes
Curing Velocity - mm/1st Day	' @ 23 °C / 50 %RH	3 mm / 1st Day
Volume Shrinkage	EN ISO 10563	6%
Application Temperature		+5°C to +40°C
Elongation At Break	DIN 53504 S2	480%
Tensile Strength	@ 100% Elongation DIN 53504 S2 at Break	0.6 N/mm <sup>2</sup> 1.5 N/mm <sup>2</sup>
Shore A Hardness	DIN 53505 / ISO 868	31
Movement Capability	EN11600	25%
Service Temperature		-40°C to +180°C (Short Term)
Storage Temperature		Store in original packaging, in shaded dry conditions between +5°C and +25°C
Consistency	EN ISO 7390 20mm Profile	0 mm, Non-Sagging

### Preparation

- Substrate surfaces must be clean, dry, dust free and free of grease.
- To remove grease or dust from metal surfaces or glass, clean with AT200 cleaner.

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- For sensitive substrates like powder-coated surfaces, cleaning can be achieved using the milder AT115 cleaner.
- Good adhesion can be achieved on many substrates without the use of a primer as a pre-treatment but primer recommendations should be followed where required (consult illbruck to check substrate primer requirement).
- Always carry out preliminary testing to confirm compatibility of sealant to substrate prior to use.

#### Please Note

- 310 ml Cartridge (12 per carton)
- 400 ml Sausage (12 per carton)
- 600 ml Sausage (12 per carton)

#### Health And Safety Precautions

Product and safety data sheets must be carefully read and understood before the product is used.

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## Certification

