

Naftoseal® Aircraft Sealants

Multi-Purpose Sealants



Naftoseal® polysulphide sealants are specifically designed to meet the challenging technological requirements of the aerospace industry. Multi-purpose sealants facilitate your production, reduce storage costs, and help to optimize your processes. A full range of easy-to-use, eco-friendly, and approved sealants are available for the OEM and maintenance sectors.

Our products and solutions provide comprehensive material compatibility, confirmed by third party validation, for:

- ⊕ Fuel tank sealants
- ⊕ Fuselage sealants
- ⊕ Low-adhesion sealants
- ⊕ Low-density sealants
- ⊕ Adhesion promoters

BASF
We create chemistry

Chemetall
expect more[⊕]

Advantages of Naftoseal® Aircraft Sealants

Application Properties

- + Good thixotropic properties (no slump)
- + Fast tack-free times (higher production rates)
- + Fast cure rates (higher production rates)

General Technical Properties

- + Low-temperature flexibility
- + Good adhesion to various substrates
- + Excellent resistance to aviation fuels, oils, and numerous other aerospace chemicals
- + High elasticity, resilience and toughness

Eco-Friendly Properties

- + Chromate-free
- + Solvent-free and low in solvent content

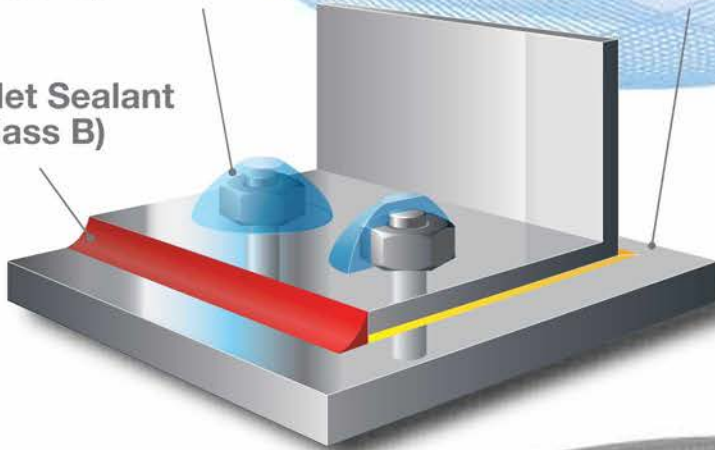
Packaging

- + Drums
- + Cans (Kits)
- + Cartridges (Techkits)
- + Other

Overcoat Sealant (Class A)

Interfay Sealant (Class C)

Fillet Sealant (Class B)



MC - Injection Mixer



Product Name	Description	Specifications (Extract)	Application Time	Tack-Free or Assembly Time	Cure Time to Shore A 30/35
ADHESION PROMOTER — One-component adhesion promoter to prepare surfaces prior to the application of polysulphide sealants.					
Naftoseal® MC-110	Used mainly for Naftoseal MC-238, MC-630 or MC-650. Flash point = 36°C.		Dry 10 min	—	—
Naftoseal MC-115	No Chlorinated Solvents. Used mainly for Naftoseal MC-340, MC-770 or MC-780. Flash point = 30°C.		Dry 10 min	—	—
LOW-ADHESION SEALANTS — Two-component, manganese dioxide cured polysulphide access door sealant for faying surfaces wherever easy separation of joined surfaces is required.					
Naftoseal MC-216 Class A	Application by brush, spatula, or dispensing gun.	DAN 1269, IPS 04-05-006-03	A-2 2 hrs	< 24 hrs	< 72 hrs
Naftoseal MC-216 Class B	Application by spatula or dispensing gun.	DAN 1270, IPS 04-05-006-04	B-2 2 hrs	< 24 hrs	< 72 hrs
FUEL TANK AND FUSELAGE SEALANTS — Two-component, manganese dioxide cured, liquid polysulphide polymer system providing excellent fuel tank and fuselage seals.					
Naftoseal MC-238 Class A	Application by brush, spatula, or dispensing gun.	AIMS 04-05-001 & 04-05-002, NTA 65361, MDL 6057	A-1/2 30 min	< 10 hrs	< 30 hrs
			A-2 2 hrs	< 14 hrs	< 48 hrs
			A-4 4 hrs	< 14 hrs	< 48 hrs
Naftoseal MC-238 Class B	Application by spatula or dispensing gun.	AIMS 04-05-001 & 04-05-002, NTA 65361, MDL 6057	B-1/4 15 min	< 2 hrs	< 4 hrs
			B-1/2 30 min	< 10 hrs	< 30 hrs
			B-2 2 hrs	< 14 hrs	< 48 hrs
			B-4 4 hrs	< 14 hrs	< 48 hrs
Naftoseal MC-460 Class A	Low density, fast-cure and flame retardant gap filler for floor panels. Application by dispensing gun.	AIMS 04-31-002	A-1/4 15 min	< 3 hrs	< 4 hrs
Naftoseal MC-460 Class B	Low density, fast-cure and flame retardant gap filler for floor panels. Application by dispensing gun.	AIMS 04-31-002	B-1/4 15 min	< 3 hrs	< 4 hrs
Naftoseal MC-630 Class A	Fuselage sealant. Application by brush, spatula, or dispensing gun.	AIMS 04-05-001, DAN 1159	A-2 2 hrs	< 16 hrs	< 48 hrs
Naftoseal MC-630 Class C	Fuselage sealant. Application by dispensing gun or roller coating technology. Unique "self-filleting" characteristics.	AIMS 04-05-001, DAN 1184	C-2 2 hrs	< 3 hrs	< 12 hrs
Naftoseal MC-650 Class B	Fuselage sealant. Application by spatula or dispensing gun.	AIMS 04-05-001, DAN 1186	B-1 1 hr	< 7 hrs	< 10 hrs
Naftoseal MC-770 Class B	Low-density fuselage sealant. Application by spatula or dispensing gun.	AIMS 04-05-001	B-2 grey 2 hrs	< 20 hrs	< 48 hrs
Naftoseal MC-780 Class A	Low-density sealant. Application by brush, spatula, or dispensing gun.	AIMS 04-05-001 & -012, -014 & -015, NTA 65361, MDL 6058, CMS-SL 101 & 104, ECS 0045	A-1/2 30 min	< 4 hrs	< 8 hrs
			A-1 1 hr	< 7 hrs	< 10 hrs
			A-2 2 hrs	< 14 hrs	< 24 hrs
Naftoseal MC-780 Class B	Low-density sealant. Application by spatula or dispensing gun.	AMS 3281, AIMS 04-05-001 & -012, -014 & -015, NTA 65361, MDL 6058, BAMS 552-008 & -009, CMS-SL 101 & 104, MEP 09-084, ECS 0045	B-1/4 15 min	< 3 hrs	< 4 hrs
			B-1/2 30 min	< 4 hrs	< 8 hrs
			B-1 1 hr	< 7 hrs	< 10 hrs
			B-2 2 hrs	< 10 hrs	< 10 hrs
			B-4 4 hrs	< 20 hrs	< 48 hrs
Naftoseal MC-780 Class C	Reduced-density sealant. Application by dispensing gun or roller coating technology. Unique "self-filleting" characteristic.	AMS 3281, AIMS 04-05-001 & -012, -014 & -015, BAMS 552-008 & -009, NTA 65361, MDL 6058, CMS-SL 101 & 104, MEP 09-084	C-1/3 20 min	< 30 min	< 3 hrs
			C-2 2 hrs	< 3 hrs	< 12 hrs
			C-4 4 hrs	< 6 hrs	< 30 hrs
			C-8 8 hrs	< 12 hrs	< 7 days
			C-12 12 hrs	< 20 hrs	< 14 days
			C-24 24 hrs	< 80 hrs	< 20 days
			C-36 36 hrs	< 120 hrs	< 30 days
			C-48 48 hrs	< 168 hrs	< 56 days
C-60 60 hrs	< 240 hrs	< 70 days			

Not all products are available in every region. Full list of approvals available on request.

Our focus is you, our aerospace customer.



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