

### **Naftoseal®**

A full range of approved aircraft sealant technologies



#### **Advantages:**

- ⊕ Free of chrome and solvents/low in solvent content
- ⊕ Low temperature flexibility
- ⊕ Fast tack-free and cure times
- ⊕ Good adhesion to various substrates
- ⊕ Excellent chemical resistance
- ⊕ High elasticity and resilience
- ⊕ Good thixotropic properties, no slump
- ⊕ Low and medium density products available

#### **Applications:**

- ⊕ For OEM and MRO applications
- ⊕ All aircraft applications requiring sealants

Naftoseal® polysulphide sealants are specifically designed to meet the challenging requirements of the aerospace industry. The OEM and maintenance sectors both benefit from a full range of easy-to-use and approved aircraft sealant technologies. They can be used for all aircraft applications requiring sealants, such as fuel tank, fuselage, floor panels and aerodynamic smoothing.

Adhesion promoters, tool and equipment cleaning technologies and mixing devices round-off our portfolio for an efficient and safe sealant application.

# Naftoseal® A full range of approved aircraft sealant technologies

Product Description and Use	Specifications (extract)	Application Time	Tack-Free Time	Cure Time to Shore A 30/35
<b>Adhesion Promoter</b>	One-component adhesion promoter to prepare surfaces prior to the application of polysulphide sealants.			
<b>Naftoseal MC-110</b> To be used mainly for Naftoseal MC-238, MC-630 or MC-650. The flash point is 36 °C.				
<b>Naftoseal MC-115</b> To be used mainly for Naftoseal MC-340, MC-770 or MC-780. The flash point is 30 °C.				
<b>Low-Adhesion Sealants</b>	Two-component, manganese dioxide cured polysulphide access door sealant for faying surfaces wherever easy separation of joined surfaces is required.			
<b>Naftoseal MC-216 Class A</b> Application by brush, spatula or dispensing gun.	DAN 1269, IPS 04-05-006-03	A-2	2 hrs	< 24 hrs < 72 hrs
<b>Naftoseal MC-216 Class B</b> Application by spatula or dispensing gun.	DAN 1270, IPS 04-05-006-04	B-2	2 hrs	< 24 hrs < 72 hrs
<b>Fuel Tank and Fuselage Sealants</b>	Two-component, manganese dioxide cured, liquid polysulphide polymer systems providing excellent fuel tank and fuselage seals.			
<b>Naftoseal MC-238 Class A</b> Application by brush, spatula or dispensing gun.	AIMS 04-05-001 & 04-05-002, NTA 65361, MDL 6057	A-1/2 A-2 A-4	30 minutes 2 hrs 4 hrs	< 10 hrs < 14 hrs < 14 hrs < 30 hrs < 48 hrs < 48 hrs
<b>Naftoseal MC-238 Class B</b> Application by spatula or dispensing gun.	AIMS 04-05-001 & 04-05-002, NTA 65361, MDL 6057	B-1/4 B-1/2 B-2 B-4	15 minutes 30 minutes 2 hrs 4 hrs	< 2 hrs < 10 hrs < 14 hrs < 14 hrs < 4 hrs < 30 hrs < 48 hrs < 48 hrs
<b>Naftoseal MC-340 Class B</b> Medium-density sealant to be used as well for aerodynamic smoothing and protection of landing gears.	PCS-7200	B-2	2 hrs	< 12 hrs < 20 hrs
<b>Naftoseal MC-630 Class A</b> Fuselage sealant. Application by brush, spatula or dispensing gun.	AIMS 04-05-001, DAN 1159	A-2	2 hrs	< 16 hrs < 48 hrs
<b>Naftoseal MC-630 Class C</b> Fuselage sealant. Application by dispensing gun or roller coating technology. Unique „self-filleting“ characteristics.	AIMS 04-05-001, DAN 1184	C-2	2 hrs	n. a. < 12 hrs
<b>Naftoseal MC-650 Class B</b> Fuselage sealant. Application by spatula or dispensing gun.	AIMS 04-05-001, DAN 1186	B-1	1 hrs	< 7 hrs < 10 hrs
<b>Naftoseal MC-770 Class B</b> Low-density fuselage sealant. Application by spatula or dispensing gun.	AIMS 04-05-001	B-2 grey	2 hrs	< 20 hrs < 48 hrs
<b>Naftoseal MC-780 Class A</b> 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 A-1 A-2	30 minutes 1 hrs 2 hrs	< 4 hrs < 7 hrs < 14 hrs < 8 hrs < 10 hrs < 24 hrs
<b>Naftoseal MC-780 Class B</b> Low-density sealant. Application by spatula or dispensing gun.	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 B-1/2 B-1 B-2 B-4	15 minutes 30 minutes 1 hrs 2 hrs 4 hrs	< 3 hrs < 4 hrs < 7 hrs < 10 hrs < 10 hrs < 20 hrs < 4 hrs < 8 hrs < 10 hrs < 10 hrs < 48 hrs
<b>Naftoseal MC-780 Class C</b> Reduced-density sealant. Application by dispensing gun or roller coating technology. Unique „self-filleting“ characteristic.	AIMS 04-05-001 & -012, -014 & -015, NTA 65361, MDL 6058, CMS-SL 101 & 104, MEP 09-084	C-1/3 C-2 C-4 C-8 C-12 C-24 C-36 C-48 C-60	20 minutes 2 hrs 4 hrs 8 hrs 12hrs 24 hrs 36 hrs 48 hrs 60 hrs	< 30 min < 3 hrs < 6 hrs < 12 hrs < 20 hrs < 80 hrs < 120 hrs < 168 hrs < 250 hrs < 3 hrs < 12 hrs < 30 hrs < 7 days < 14 days < 20 days < 30 days < 56 days < 70 days
<b>Naftoseal MC-460 Classes A and B</b> Used as floor panel sealant or wherever parts need to be removed. Flame-retardant.	AIMS 04-31-002	A-1/4 B-1/4	15 minutes 15 minutes	< 3 hrs < 3 hrs < 4 hrs < 4 hrs

**Chemetall** www.chemetall.com

The product information contained in this brochure has been compiled to the best of our knowledge on the basis of thorough tests and research work and with regard to the current state of our practical experience in the industry. This product information is non-binding. Our statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. We assume no risk or liability whatever in connection with any particular use, if not expressly confirmed by us in writing. Therefore Chemetall grants no warranty and does not accept any liability in connection with this product information or its use. Except where noted otherwise, all registered trademarks are owned by Chemetall or its affiliated companies. The reproduction of any or all of the information contained in this brochure is expressly forbidden without Chemetall's prior written consent.