

Naftoseal[®] MC-216M Class B

LOW ADHESION SEALANT

1 Description

Naftoseal[®] MC-216M Class B is a two component, manganese-dioxide cured polysulfide polymer system where easy separation of joined surfaces is required e.g. access doors. It has outstanding resistance to aviation gasoline and jet fuel, as well as resistance to the chemicals and petroleum products used in the aircraft industry.

Naftoseal[®] MC-216M Class B remains flexible and keeps a low bond strength on most metal substrates like aluminum, stainless steel, steel, titanium, composite, and many coatings under extremes of temperature, weathering, and stress.

Naftoseal[®] MC-216M Class B can be mixed by MCI-Mixer (Techkits as well as Semkits) or by appropriate 2-component mixing and dosing systems.

The mixed compound is a thixotropic paste easily applied by extrusion, injection gun, spatula, or brush. It has excellent tooling properties.

The curing time may be reduced considerably by increasing the temperature (up to 60 °C / 140 °F max).

The cured Naftoseal[®] MC-216M B has low adhesion and forms a tough gasket, rubbery enough to mold itself to surface irregularities.

2 Field of application

- Sealing access doors
- Gaskets for removable parts
- Strippable fillets

3 Specification

Application life and cure time at 23°C (73°F) / 50% r.H.			
Type	Min. Application Time	Tack-Free Time	Time to Shore A 30
Naftoseal® MC-216M B-2	2,0 hours	≤ 15 hours	≤ 15 hours
Typical Physical and Application Properties			
	Base	Hardener	
Colour	Red	Black	
Viscosity at 23 °C, Brookfield RV, Spindle 7	800-1800 Pa.s (2 rpm)	Max. 400 (10 rpm)	
Mixing ratio by weight	100	8	
Mixing ratio by volume	100	6.8	
Non-volatile content	98 ± 2 %		

Typical Values of MC-216M Class B after 14 days at 23 °C (73 °F) / 50 % r.h.

Colour	Red
Specific gravity	1,55 g/ccm max.
Ultimate Shore A Hardness:	60 max.
Service temperature	-55 °C (-67 °F)/ +95 °C (+203 °F)
Tensile Strength	≥ 1,0 N/mm
Elongation	> 150 %

Mixing Instruction for Techkits

Naftoseal® MC-216M B	Motor revolution in rpm	Strokes up and down	Mixing Time
	110 ± 10	90	2 Min ± 1 Min

4 Surface preparation

Clean surfaces with appropriate cleaners (e.g. Chemetall's Ardrox® products like Ardrox® 5529 or Ardrox® 5575) to remove dirt, grease, and processing oils just prior to sealant application. Use lint-free rags or paper towels that are free of oil. Always pour cleaner on the cloth to avoid contamination of the cleaner supply. Clean one small area at a time, quickly wiping it dry before the cleaner's solvent evaporates to prevent redeposition of oil, wax, or other contaminants.

5 Packaging

Designation	Base Compound Content/Piece	No. / Case
Techkit 55	58 ccm	24
Techkit 100	105 ccm	24
Pail	162 litre	9 x 18 l Base + 1 x 14 l Hardener
Drum	162 litre	1 x 162 l Base + 1 x 14 l Hardener

6 Storage

The shelf life of Naftoseal® MC-216M Class B is 6 months, when stored at temperatures below 26 °C in its original unopened container.

7 Health and safety precautions

See Safety Data Sheet.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. 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. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

**Headquarters and Regional Head Office
Europe, Middle East, Africa, South America**
Chemetall GmbH
Trakehner Straße 3
60487 Frankfurt am Main, Germany
Tel: +49 (0) 69 7165-0

**Regional Head Office
North America**
Chemetall US, Inc.
675 Central Avenue
New Providence, NJ 07974, USA
Tel: +1-908-464-6900

**Regional Head Office
Asia-Pacific**
Chemetall Asia Pte Ltd.
12 Loyang Crescent
Singapur 508980
Tel: +65 6885 7900