

# 4282 mFlex™ HD Rubberizer



## High durometer, applied performance rubberizing

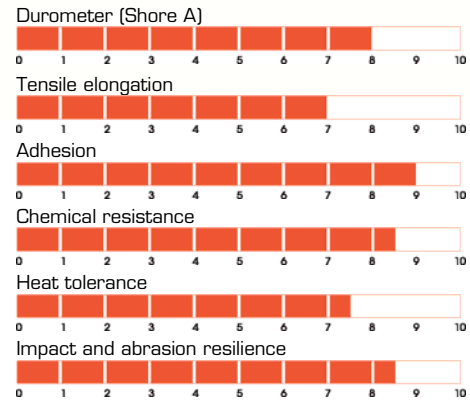
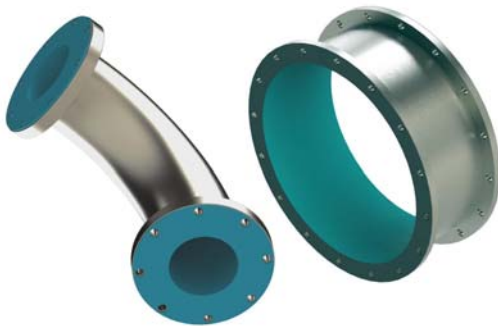
Urethane-acrylate epoxy hybrid  
(Isocyanate-free)

MCOR™ 4282 (mFlex™ HD Rubberizer) is a high durometer, 100% solids, applied urethane-acrylate epoxy hybrid flexible polymer for coating, lining, and applied rubberizing with zero-isocyanate. Incorporating a proprietary curing system, this urethane hybrid technology offers the market a safer, durable, more tolerant elastomeric system than older generation polyurethane technologies. This new generation of urethane-acrylate epoxy hybrid sealants undergo similar development of properties to (cold) vulcanizing which will produce higher strengths; in addition, higher moisture tolerance, increased UV resistance, better surface acceptance and adhesion, more stable and longer lasting shelf life without the concern of isocyanates.

### mFlex™ HD Rubberizer will:

- Form a flexible coating/liner, encapsulant, rubberizer
- Absorb vibration and impact
- Offer simple “cold” applied methods of rubberizing

The mFlex™ HD Rubberizer is a two component high performance elastomer specifically designed for high build applications of industrial rubberized need areas. Because of its high performance properties, it provides extraordinary sealed tolerances to chemicals, wear, abrasion, and degradation while exhibiting elongation, strength and robust industrial-grade coating, lining, sealing, padding/cushioning, encapsulation and rubberizing.



\* MCOR rating system for cross-comparison of similar products within same MCOR Series and to other similar products.



### mFlex™ HD Rubberizer

applications include:

- Rubberized coating of pump and flow components
- Rubberized coating and lining of tanks and handling equipment
- Anti-cavitation system for propellers
- Anti-vibration and shock absorbing
- High build rubberized lining/coating
- Impact cushioning and wear padding
- Flange and other component encapsulation
- Hard durometer castable rubber



3000 N 29 CT, Hollywood, FL 33020  
mcor.net | T: 888.961.MCOR (6267) F: 954.961.2395



# 4282

mFlex™ HD Rubberizer



## MCOR™ 4282

mFlex™ HD Rubberizer is:

### A VULCANIZATION ALTERNATIVE (COLD)

mFlex™ HD Rubberizer is an advanced urethane-acrylate epoxy hybrid, once cured, the material is categorized as a high strength hybrid elastomer. Take advantage of applied rubberized coating, lining, and padding with simple application methods as opposed to vulcanized rubber systems. mFlex™ HD Rubberizer through an advanced crosslinking system similar to (cold) vulcanizing; a chemical process for converting polymers into more durable materials by the addition of elements, curatives, and other proprietary ingredients produces high strengths. Formulated for sealing and resisting industrial attack of chemicals, corrosives, abrasion and wear. These additives modify the polymer by forming cross-links (bridges) between individual polymer chains. The material is also designed to tolerate weathering elements, UV, and other degradation or constants.

### VERSATILE

mFlex™ HD Rubberizer is formulated to solve many industrial needs. It's a prime candidate for high build rubber coating/lining requirements or padding needs. The material is often sought for encapsulation, vibration and shock absorption, anti-cavitation barrier protection, rubber-formed foundation grouting needs, casting/forming, and other industrial requirements requiring flexibility or rubberizing.

### mFlex™ HD Rubberizer features:

- Isocyanate-free, no VOCs
- "Cold" curing alternative to vulcanized rubber
- Excellent UV resistance
- Terrific adhesion
- Applied by brush, roller, or spray
- 100% solids
- 150% elongation
- Abrasion and wear tolerance
- Excellent chemical resistance
- Terrific impact and vibration tolerances

For more information, please contact your local MCOR™ consultant

### ABOUT MCOR

The MCOR product line, trademark and brand are managed and manufactured by Epoxytec Intl Inc. Epoxytec Intl Inc. is a manufacturer of industry specific product lines to combat corrosion by restoring and protecting physical infrastructure worldwide. These product lines are supplied through a portfolio of distinct brands in order to solve corrosion issues of each industry worldwide. For more information regarding both, please visit [mcor.net](http://mcor.net) and [epoxytec.com](http://epoxytec.com) respectfully.

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