

HYPOTUBE COATING SOLUTIONS



Mμ-COAT™

Confidently Consistent



Mμ-Coat™ is a high-performance PTFE-enhanced coating solution for hypotube and guidewire-based catheter shafts. Mμ-Coat™ is applied using Freudenberg Medical's state-of-the-art proprietary application technology – Cambus Coat™ – an environmentally friendly coating process.

When Mμ-Coat™ is cured on the substrate metal, it forms a lubricious and non-stick matrix which is ideal for coating hypotube-based products in the creation of catheter shafts. Mμ-Coat™ is applied to catheter shaft solutions for cardiovascular and neurovascular device applications.

BENEFITS OF Mμ-COAT™

- Conformal coating
- Low coefficient of friction – improves hypotube trackability
- Excellent adhesion
- Tight tolerances
- Perfluorooctanoic Acid (PFOA) - free
- Passed stringent biocompatibility testing in accordance with ISO standard 10993-1 for short-term contact of less than 24 hours with human body,
 - Cytotoxicity
 - Hemocompatibility: direct & In-direct contact

BENEFITS OF CAMBUS COAT™

Superior performance & cost efficiency

- Virtually 'zero' material wasted in the process
- Highly automated process resulting in significantly less handling than traditional coating methods
- Efficient use of energy

Product consistency

- Comparative & destructive tests are carried out to ensure reliability

Environmentally friendly coating technology

- Does not contain Perfluorooctanoic Acid, the materials are 'PFOA – free'

TECHNICAL SPECIFICATIONS

Tube/Wire Diameter Range	Coating Thickness	Base Materials	Coating Colours
OD: 0.012"~0.080" or 0.30mm~2.00mm	Average coating thickness of 0.0002" (0.005mm) per side is consistently achieved Typical range: 0.0002"– 0.0009" (0.005 μm to 0.023 μm)	Mμ-Coat™ can be applied to all major metal catheter shaft substrates including: <ul style="list-style-type: none">• Stainless Steel• Other alloys on request	Black Blue Green on request

Do you have any questions?

Freudenberg Medical
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Rho-COAT™

Smooth and Refined



Rho-Coat™ is a PTFE-free coating material for hypotube and guidewire-based catheters. It is applied using our state-of-the-art proprietary application technology – Cambus Coat™.

Rho-Coat™ provides an ultra-smooth coating with optimum lubricity for easy insertion and removal of the wire or catheter. Rho-Coat™ produces products with a finish similar in performance to a polymer jacket.

Rho-Coat™ can be applied to hypotubes in the creation of coated catheter shafts deployed in cardiovascular and neurovascular applications.

BENEFITS OF RHO-COAT™

- Ultra-smooth
- High lubricity
- Conformal coating
- Excellent adhesion
- Tight tolerances
- PTFE & PFOA-free
- Passes stringent biocompatibility testing in accordance with ISO standard 10993-1 for short-term contact of less than 24 hours with human body:
 - Cytotoxicity
 - Hemocompatibility: Direct & In-direct contact

BENEFITS OF CAMBUS COAT™

Superior performance & cost efficiency

- Virtually 'zero' material wasted in the process
- Highly automated process resulting in significantly less handling than traditional coating methods
- Efficient use of energy

Product consistency

- Comparative & destructive tests are carried out to ensure reliability

Environmentally friendly coating technology

- Does not contain Perfluorooctanoic Acid, the materials are 'PFOA – free'

TECHNICAL SPECIFICATIONS

Tube/Wire Diameter Range	Coating Thickness	Base Materials	Coating Colours
OD: 0.012"~0.080" or 0.30mm~2.00mm	Average coating thickness of 0.0002" (0.005mm) per side is consistently achieved Typical range: 0.0002"– 0.0009" (0.005 µm to 0.023 µm)	Rho-Coat™ can be applied to all major metal catheter shaft substrates including: <ul style="list-style-type: none">• Stainless Steel• Other alloys on request	Black

Do you have any questions?

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