

Thin Coatings Main Purpose

Combining the unique properties of the fluoropolymers family with the Coating (electrostatic, liquid) process, enable MB Plastics Europe BV to coat any vessel, tank, centrifugal equipment or fittings for outstanding inner-and outer corrosion resistance and non - stick applications.

Main key products:

- Centrifugal Machines
- Columns
- Vessels
- Tanks
- Reactors
- Filters
- Fittings



Type Of Coatings:

Thin Coatings:

- PTFE
- PFA
- FEP

Used for:

Mild corrosion resistance
Anti stick
Low friction
Corrosion environment

Thick Coatings:

- PFA - filled and unfilled
- ETFE - filled and unfilled
- ECTFE - unfilled`

Used for:

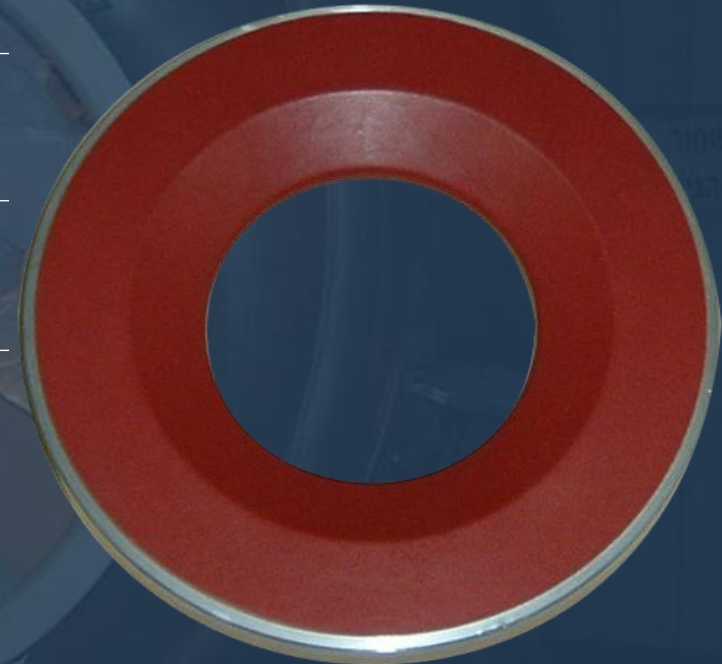
High corrosion resistance
Anti stick
Low friction
Corrosion environment

Unfilled PFA:

Thickness:	100-300 microns (0.1-0.3 mm)
Maximum working temperature:	200°C.
Vacuum resistance:	Suitable for full vacuum
Main features:	excellent corrosion resistance
permeation resistance:	High permeation resistance

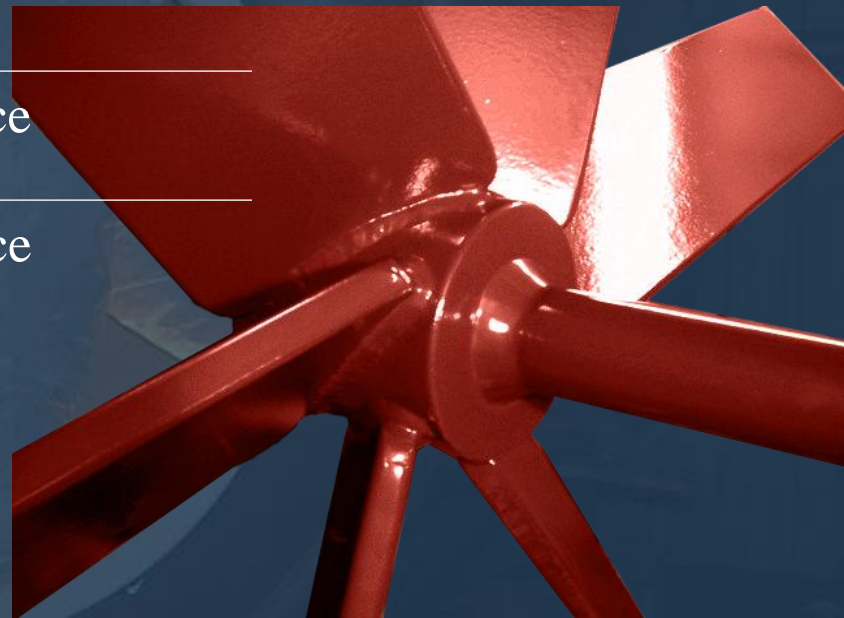
Filled PFA Powder

Thickness:	200- 1200 microns (0.2- 1.2 mm)
Maximum working temperature:	200°C.
Vacuum resistance:	Suitable for full vacuum.
Main features:	excellent corrosion resistance
permeation resistance:	High permeation resistance



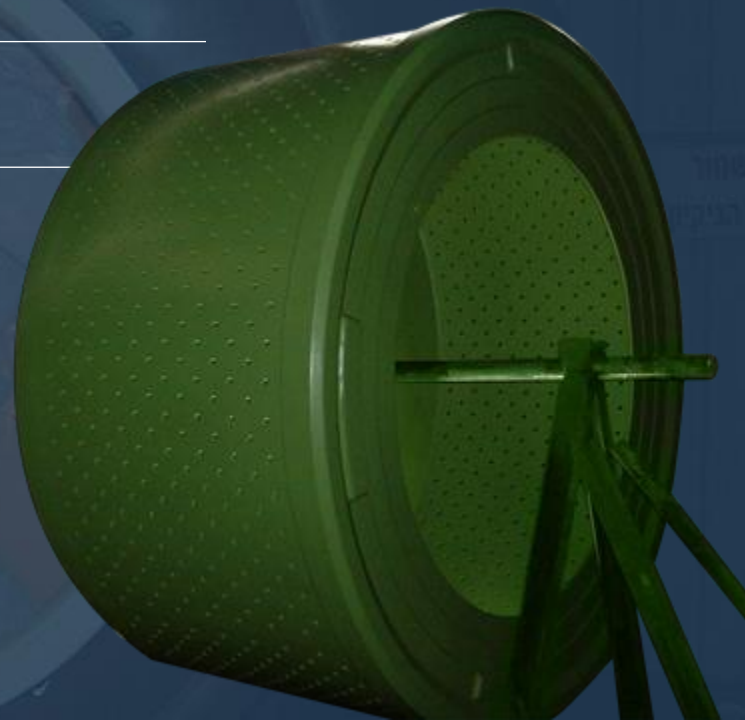
Filled PFA liquid

Thickness:	200- 1200 microns (0.2- 1.2 mm)
Maximum working temperature:	200°C.
Vacuum resistance:	Suitable for full vacuum.
Main features:	excellent corrosion resistance
permeation resistance:	highest permeation resistance



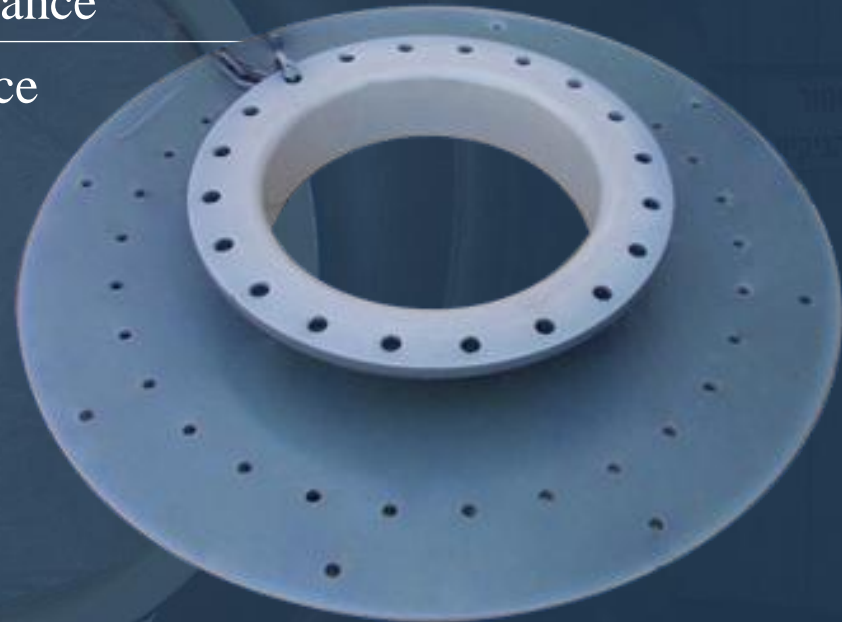
Unfilled ETFE:

Thickness:	200- 1200 microns (0.2- 1.2 mm)
Maximum working temperature:	90°C.
Vacuum resistance:	Suitable for full vacuum.
Main features:	excellent corrosion resistance
permeation resistance:	high permeation resistance



Filled ETFE Powder:

Thickness:	200- 1200 microns (0.2- 1.2 mm)
Maximum working temperature:	150°C.
Vacuum resistance:	Suitable for full vacuum.
Main features:	excellent corrosion resistance
permeation resistance:	high permeation resistance



Filled ETFE liquid:

Thickness: 200- 1200 microns (0.2- 1.2 mm)

Maximum working temperature: 150°C.

Vacuum resistance: Suitable for full vacuum.

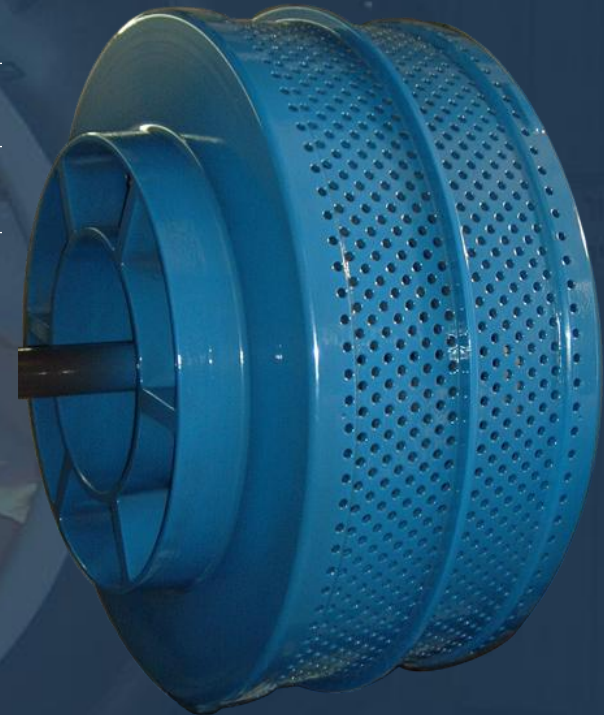
Main features: excellent corrosion resistance

permeation resistance: highest permeation resistance



Unfilled ECTFE:

Thickness:	200- 1200 microns (0.2- 1.2 mm)
Maximum working temperature:	85°C.
Vacuum resistance:	Suitable for full vacuum.
Main features:	excellent corrosion resistance
permeation resistance:	high permeation resistance



Benefits Of Coatings:

- Ability to coat a complex shapes
- coating with no welds and shims
- Homogenous thickness
- Thick material build up
- Vacuum resistance
- Fast processing time
- Cost effective

