



Assist™ Flexible Hydrophilic Coating

Assist™ Flexible Hydrophilic Coating is a highly lubricious coating specifically developed to enhance the biocompatibility of moving components, providing patient comfort and ease of use for professionals when devices are in motion.

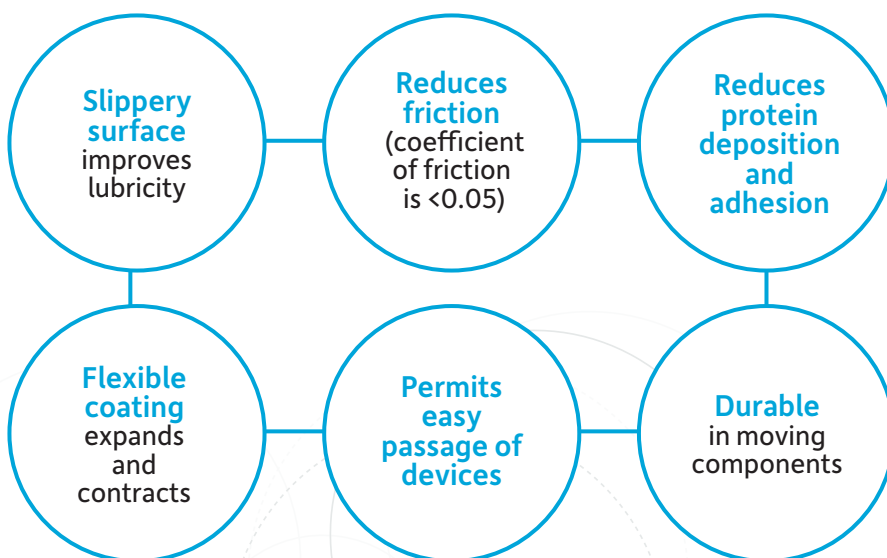
What is Assist™?

Assist™ Flexible Hydrophilic Coating delivers a high-performance lubricious surface for medical implant applications. The technology is applied to surfaces which require the reduction of friction. Assist™ is a legacy technology which has been applied to a variety of substrates and geometries without causing particulate formation or delamination of the coating when in the patient. The hydrophilic coating has been applied to a variety of medical devices which include highly movable and mechanically stressful components such as large balloon catheters, joint and delivery devices.

Assist™ uses a two-factor approach to improve biocompatibility and stability - reducing complications at the device-body interface. Minimal complications reduce damage and improve comfort when operating the device in joints or removing devices from patients. The coating helps prevent the deposition and adhesion of cells onto the device surface. This enhanced surface allows the implant to perform for long periods of time without degrading during movement.

Assist™ Flexible Hydrophilic Coating can be applied to an extensive list of substrates through a quick process suitable for batch productions. The coating can be applied to a variety of medical components and devices with a range of dimensions, tolerances and clearances. Assist™ Flexible Hydrophilic Coating is available as either UV or Heat curing.

Hydrophilic Properties



Clinical Applications

Assist™ Hydrophilic Coating can be safely applied to a wide range of medical device surfaces including polymers, nitinol, stainless steel as well as woven & non-woven fabrics

Clinical applications include:



Central Venous Access



Joint Replacements



Endotracheal Tubes



Balloon Catheters



Urinary Catheters



IOL Inserters



Guidewires



Dilators



PICC Lines



Pacemaker Leads

Legacy Evaluation

Assist™ Flexible Hydrophilic Coating has been used on FDA approved and CE marked medical devices for over 25 years without any recall and has been tested to ISO standards including:

CYTOTOXICITY:
ISO 10993-5

IRRITATION:
ISO 10993-5

SENSITISATION:
ISO 10993-10

EO RESIDUAL:
ISO 10993-7

HAEMOLYSIS:
ISO 10993-4

**CHEMICAL
CHARACTERISATION:**
ISO 10993-18