INFORMATION SHEET
PVD COATED HARDWARE

LIT-IFS-PVD

What is PVD Coating?

PVD stands for Physical Vapour Deposition. Also know as 'thin-film' coating, PVD coating is a process in which the hardware is placed inside a vacuum chamber and given a negative charge, a solid material (the coating) is then vapourised in this vacuum and given a positive charge forcing it to deposit atom by atom onto the surface of the hardware.

The coating is not simply layers of metal, the material is deposited atom by atom providing an ultra-thin, highly accurate and extremely strong coating. It also provides a much more uniform appearance and finish than traditional coating methods.

As the coating is very thin it enables the texture of the underlying metal to still be visible and felt. So for a satin finished product we use a base material of satin stainless steel and apply the PVD coating to it, or for a polished finish we use polished stainless steel as the base material.

The Benefits of PVD Coating

- The PVD process increases the longevity and durability of the hardware, making it more resistant to wear, weather and corrosion.
- The PVD coating does not fade, discolour or tarnish and isn't affected as much by UV rays.
- The PVD coating process is more sustainable and environmentally friendly than traditional coating methods. No harmful gases or other substances are released and there is no waste during the coating process.
- The PVD process does not affect the recycling value of the stainless steel base material.

We currently have hardware available in a number of PVD coated finishes such as PVD Stainless Satin Brass, PVD Stainless Polished Brass and PVD Stainless Satin Black. Some examples of these are shown below from our BLU™ range.

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