



# armadillo

Metal Coatings

Ground-breaking door hardware that eliminates over 99% of viruses and other harmful microbes, including those that cause COVID-19

## Armasmart®



A trusted partner of **UAP**  
LIMITED

100x greater at  
killing SARS-CoV-2



compared to  
stainless steel alone



## Unlock the future of hygiene and durability

Stainless steel has long been the go-to choice for door hardware in health and social care settings, valued for its perceived durability and hygienic qualities. However, it is crucial to acknowledge and address the drawbacks associated with its use.

One major concern lies in the collection of harmful bacteria, germs, and viruses on stainless steel surfaces, which can linger for up to 72 hours. Given that door hardware is constantly touched, this poses a significant risk to the health and well-being of residents, patients, staff and visitors.

Another concern is that different grades of stainless steel are available, each with unique properties and applications. In the case of hardware, lower grades of stainless steel are commonly used, which can be susceptible to tarnishing and corrosion. This is especially true in environments with high moisture levels or when exposed to harsh cleaning chemicals, which can compromise the appearance and longevity of the hardware.

To combat these challenges head-on, we've created Armasmart®, a more advanced and dependable hardware solution that is suitable for health and social care settings.

The Armasmart® product range features a patent-pending coating, which not only prevents tarnishing and corrosion, but it also goes above and beyond providing powerful anti-viral properties that eliminates over 99% of viruses and other harmful microbes, including those that cause COVID-19.

Our cutting-edge technology effectively combats the accumulation and survival of harmful microorganisms, ensuring a safer environment for all. Furthermore, its self-sanitising properties streamline the cleaning process and reduce the reliance on harsh chemicals, helping you to unlock a new standard of excellence.





## Introducing Armasmart® Technology

Armadillo has developed and patented a smart additive technology that can be applied within an existing metallic plating process to provide excellent in-service protection.

The Armasmart® powder is added to existing electroplating solutions, then plated onto the metal surface requiring protection.

The additive forms within the metallic matrix and kills viruses continually with 100 x greater viral inactivation of SARS-CoV-2 than stainless steel alone.

The additive is distributed in depth throughout the coating, thus providing protection over very long timescales.

The technology can be applied to multiple metallic systems.

**The additive is completely non-toxic and cost effective on scale.**



### So what does Armasmart® do?

- Kills over 99% of viruses including SARS-CoV-2 (as verified in a Cat 3 testing facility)
- Greater than 10x times corrosion resistance in a high UV Humidity chamber compared to Copper
- Greater than 10x times corrosion resistance in a Salt Spray chamber compared to Copper



## A trusted partner of UAP Ltd

Armadillo is proud to partner with UAP Ltd, a renowned leader in the door hardware industry with an unrivalled reputation for product excellence, innovation and quality.

When you choose the new Armasmart® product range, you can rest assured that you will benefit from the synergy between Armadillo's cutting-edge technology and UAP's unparalleled expertise in door hardware.

We bring you a winning combination that delivers outstanding performance, durability, and style.



## Pull Handles



- For push/pull applications select a push plate for the other side of the door
- Pull handles of 300mm centres meet the requirements of BS 8300

ARMASMART-C-LA06-CU  
300mm x 19mm

ARMASMART-C-LA77-CU  
450mm x 19mm

ARMASMART-C-LA100-CU  
600mm x 19mm

## Push Plates



- Push plates for use with pull handles
- Square corners drilled & countersunk
- Plate thickness 1.5mm

ARMASMART-C-LA23-CU  
330mm x 75mm

ARMASMART-C-LA23.500-CU  
500mm x 75mm

ARMASMART-C-LA23.650-CU  
650mm x 75mm

## Door Closers



- Fire & smoke control - Tested to EN1154
- CE marked - Tested to EN1634
- Noise control & environmental/heat loss
- Adjustable closing and latching speed

ARMASMART-FDC-CU-2-4  
Size 2-4 | Rated to FD30 Timber & FD240 Steel

## Door Hinges



- Certifire BS EN 1935 Grade 13
- Square and radius cornered hinges
- 102mm x 76mm x 3mm

ARMASMART-SS201-FIRE-RADIUS-CU  
Radius Corners

ARMASMART-SS201-FIRE-SQUARE-CU  
Square Corners

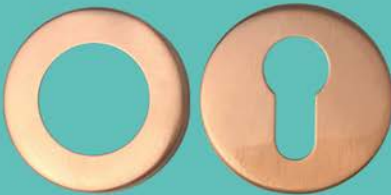
## Bathroom Turns



- A rose mounted indicator & turn for bathroom locks
- Each turn supplied with indicator
- Supplied with face fixings
- 51mm high x 51mm wide

ARMASMART-ESC.BATH.CU

## Escutcheons



- Escutcheons with concealed fixings for use with rose mounted levers or pull handles
- Escutcheon dimensions 51Ø x 8mm
- Supplied with face fixings

ARMASMART-ESC.EUR.CU  
Euro Profile

ARMASMART-ESC.STD.CU  
Standard Key Profile

## Fire Door Signage



- 75mm x 1.5mm
- 64mm centre to centre

ARMASMART-  
FIRE.DOOR.KEEP.LOCKED.SIGN-CU

ARMASMART-  
FIRE.DOOR.KEEP.SHUT.SIGN-CU

## Lever Handles



- 19mm return to door lever
- Round bar pre-fixed to a sprung rose
- Conforms to the requirements of BS 8300
- Rose dimensions 50Ø x 8mm

ARMASMART-C-54.608.19.CU



As the founder of Armadillo, I am driven by a deep passion to enhance the health and safety of individuals across diverse environments. From the comfort of homes and productivity of offices to the care provided in healthcare facilities and the vitality of public spaces, our mission is clear: to create products that actively contribute to creating a safer and healthier world for all. And our Armasmart® hardware range, is just the beginning...

*Founder of Armadillo, Alex Nielsen PhD.*

### **Powerful Anti-Viral Properties**

Armasmart®'s advanced coating harnesses powerful properties to eliminate over 99%\* of viruses and other harmful microbes, including those that cause COVID-19 within a short timeframe, ensuring a safer environment for everyone.

### **Cost-Effective**

Investing in Armasmart® from Armadillo proves to be a cost-effective choice in the long run. With its extended hardware lifespan and reduced cleaning requirements, you can save on the expenditure on cleaning agents. High quality products at highly competitive prices.

### **Enhanced Protection Against Corrosion & Tarnishing**

The specialised coating of Armasmart® provides exceptional resistance, significantly extending the lifespan of hardware, ensuring long-lasting durability and aesthetic appeal.

### **Effortless Self-Sanitising Technology**

Armasmart®'s coating possesses innovative self-sanitising properties, making it an ideal choice for high-touch surfaces. By reducing the need for frequent cleaning, it streamlines maintenance and eliminates the reliance on harsh chemicals.

### **Non-Toxic Assurance**

Armasmart®'s coatings are non-toxic and noncarcinogenic, ensuring the well-being and safety of both users and the environment.

*\*as verified in a Cat 3 testing facility*

# Meet the Team



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**Contact us for a free consultation today**

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