



PORCELAIN

with PaperGard™

TARGET SECTOR
Graphic Print

TECHNICAL
SERVICES
DOCUMENT

JAMES CROPPER

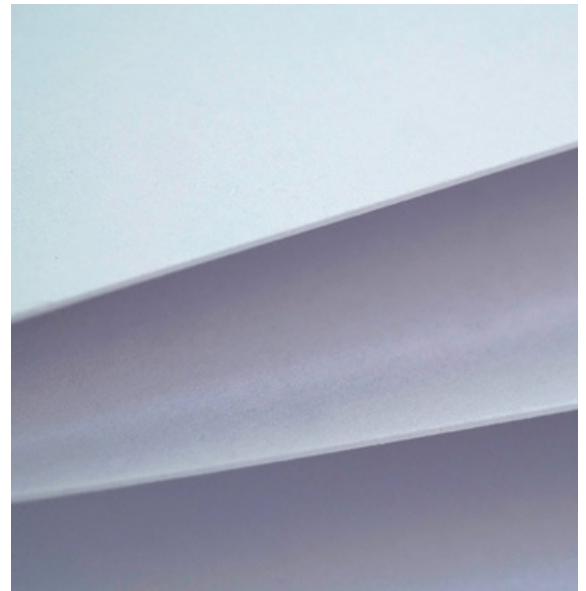
MANUFACTURED IN GREAT BRITAIN

PORCELAIN

with PaperGard™

An exceptionally smooth white graphic board which offers an excellent printing surface.

It is manufactured using a twin-wire process to create a smooth and even surface on both sides of the board. This silky smooth board is available with PaperGard™ silver ion product protection. Acid free.



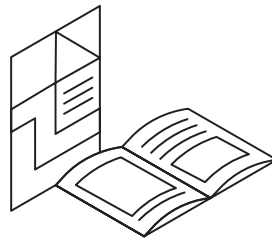
FibreBlend
UPCYCLED TECHNOLOGY

APPLICATIONS

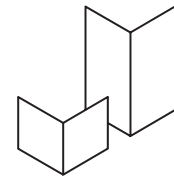
Porcelain is a made to order product so can be manufactured to a grammage suitable for any application. Some of our most popular weights, listed below, are well suited for various stationery requirements. Of course, there is no limit to how our papers can – and have – been used.



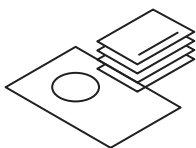
100 GSM
BUSINESS STATIONERY AND REPORTS



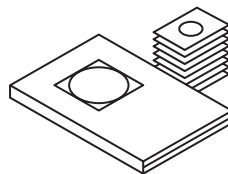
250 GSM
CORPORATE LITERATURE



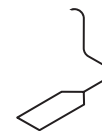
300 GSM
GREETINGS CARDS



330 GSM
MENUS AND CERTIFICATES



350 GSM
PRESENTATION FOLDERS
AND BUSINESS CARDS



400 GSM
GARMENT TAGS

PRINT SUITABILITY

- Dry Toner
- Digital
- Flexography
- Foil Blocking
- Letterpress
- Lithography
- HP Indigo version available
- Silkscreen
- Die Cutting
- Blind Embossing
- Laser Cutting

HOW EFFECTIVE IS SILVER ION TECHNOLOGY ON PAPER?

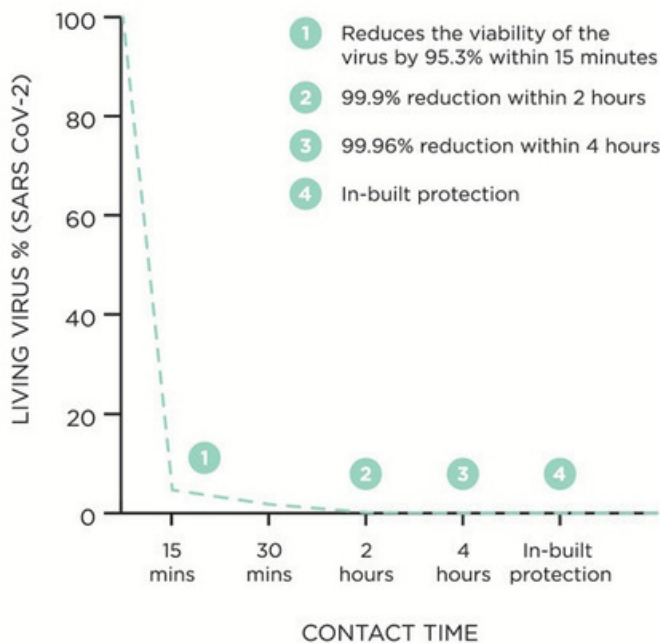
The latest testing with SARS Cov-2 (the COVID-19 virus), using the ISO 18184 testing method to determine anti-viral activity, shows papers containing the PaperGard™ technology were proven effective at reducing the viability of the viral strain by over 95% in just 15 minutes.

In tests and clinical trials PaperGard™ with Biomaster has been proven to reduce the overall level of MRSA and E.Coli bacteria on the paper surface by up to 99.99% using the ISO 20743 testing method to determine anti-bacterial activity conducted in an independent, internationally recognised laboratory.

CAN SILVER ION TECHNOLOGY SAFEGUARD AGAINST CORONAVIRUS?

We have data showing that PaperGard™ (>95% inactivation within 15 minutes) is highly effective against SARS Cov-2, the virus responsible for Covid-19, on the paper surface.

PaperGard™ anti-microbial technology is effective 24/7 for the lifetime of the treated article. PaperGard™ can therefore complement current hygiene guidance offering additional product protection.



WHAT CAN SILVER TREATMENT PROTECT AGAINST?

Independent laboratory tests have proven the technology to inhibit the growth of bacteria and viruses including:

- Staphylococcus aureus (MRSA)
- Salmonella
- Legionella
- Campylobacter
- E.coli
- Vancomycin-resistant Enterococcus (VRE)
- Norovirus
- Feline Coronavirus
- SARS Cov-2

WHAT IS THE SCIENCE BEHIND PAPERGARD PAPER?

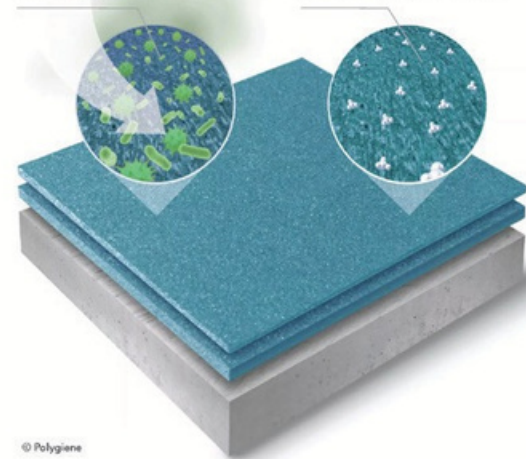
Unlike antibiotics, micro-organisms are unable to build up a resistance to the way in which silver ions disrupt their growth.

1. Silver ions bind to the cell wall of the micro-organism; preventing growth
2. Silver ions interrupt enzyme production; stopping the micro-organism producing energy
3. Silver ions interrupt the cell's DNA; preventing DNA replication and new cell formation

POLYGIENE BIOMASTER™

WITHOUT POLYGIENE BIOMASTER™
Microbes settle and multiply on surfaces, causing degradation

WITH POLYGIENE BIOMASTER™
Silver ions actively inhibit all microbes and protects the surface



HOW LONG IS THE TREATMENT EFFECTIVE FOR?

The silver ion treatment in PaperGard™ is effective for the life of the product, it is built into the paper during manufacture and it cannot be removed with any amount of wear and tear. It becomes an integral part of the material.

DOES THE TREATMENT AFFECT A PRODUCT IN ANY WAY?

No. You can't see, smell or even taste it!

WHAT HAPPENS IF I OVER-PRINT THE PRODUCT?

Print with minimal surface coverage is absolutely fine. For complete over-printing or overall coating with a varnish we recommend the addition of the treatment into the print or varnish itself. Together with Biomaster we can provide recommendations and solutions for specific conversion processes.

HOW DO I KNOW MY PRODUCT HAS PROTECTION?

You can rest assured that when you stipulate PaperGard™ treatment on your product, there is a chain of custody in production to verify the legitimacy of our material. If required, certification can be organised via an independent laboratory.

WHAT IS CORONAVIRUS?

According to the World Health Organization, Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

The 2019 Novel Coronavirus (COVID-19) is a new strain of coronavirus that was first identified during an investigation into an outbreak in Wuhan, China.

TECHNICAL DATA

	100 gsm	250 gsm	300 gsm	330 gsm	350 gsm	400 gsm	Tolerance
Grammage:	100 gsm	250 gsm	300 gsm	330 gsm	350 gsm	400 gsm	+ - 5% N O
Thickness μm :	112 80	250 80	300 80	330 100	350 100	410 100	MIN AL E X
Bendtsen Smoothness ml/min:	158 6	158 7.5	158 7.5	158 7.5	158 7.5	158 7.5	PECTED + -
CIE Whiteness:	25 16	30 16	30 16	30 16	30 16	30 16	10% TARGET
Rel. Humidity:							TARGET E X
Cobb (1 min) g/m:							PECTED
Dennison Wax Pick / Clear:							

ENVIRONMENTAL CREDENTIALS



FULLY
RECYCLABLE



CHP
RECYCLING
ENERGY



ELEMENTAL
CHLORINE
FREE



REACH
COMPLIANT
(EC NO
1307/2006)



The mark of
responsible forestry



JAMESCROPPER.COM | +44(0) 1539 818240 | BURNESIDE MILLS, KENDAL, CUMBRIA. LA9 6PZ. GB

CUSTOMERSERVICE@CROPPER.COM

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