

ImagePerfect™ 2830-211 is a functional laminate with an anti-microbial additive that has been specifically designed for protecting surfaces in a wide variety of environments.

## IP 2830-211

ImagePerfect™ 2830-211 SafeTouch is a functional laminate containing a highly-effective additive that offers protection from micro-organisms, such as bacteria, fungi and parasites. Whilst antimicrobial products typically incorporate silver agents, this product utilises zinc pyrithione as its active ingredient and it is encapsulated within the film rather than manifesting as a simple coating on top of the film. As such, the antimicrobial effect is stable and long-lasting. Indeed, when tested independently, the antimicrobial properties were found to be completely unaffected when IP SafeTouch was fully immersed for 1 minute in 3 different solutions of 70.0% ethanol, 0.1% IPA and 5.0% benzalkonium chloride, before being cleaned and dried and then re-immersed for a further minute, with this cycle being repeated 50 times. Please refer to the ImagePerfect™ SafeTouch supporting documents for further detail. In accordance with ISO 22196, the antimicrobial property of IP 2830-211 SafeTouch has been substantiated via extremely high levels of efficacy (higher than 99.99%) for killing a number of different bacteria, including Escherichia Coli (E. Coli), Staphylococcus Aureus (Golden Staph), Methicillin-Resistant Staphylococcus Aureus (MRSA), Salmonella, Listeria, Klebsiella Pneumoniae (K. Pneumoniae), Enterococcus Faecalis (E. Faecalis), Pseudomonas Aeruginosa and Legionella Pneumophila. Again, please refer to the ImagePerfect™ SafeTouch supporting documents for further detail. IP SafeTouch can be used on many different kinds of flat surface, including doors, desks, tables, counters, cupboards, shelves, windows and panels, and it can be used in a wide variety of environments, such as RETAIL SPACES (shopping centres, supermarkets, barbering shops, etc), HEALTHCARE ENVIRONMENTS (hospitals, clinics, doctors' surgeries, etc), EDUCATIONAL FACILITIES (nurseries, schools, universities, etc), PUBLIC TRANSPORT (taxis, busses, trains, etc), LIFESTYLE ENVIRONMENTS (hotels, restaurants, cafes, bars, gyms, etc) and EVENT BUSINESS LOCATIONS (exhibition centres, conference facilities, meeting rooms, etc). However, we would not recommend this product for use in environments in which it could be subject to direct food contact (such as kitchens, food preparation areas, food processing plants, etc). When used as a protective laminate on printed output, it supports compatibility with different grades of calendared PVC. In such cases, the printed media must be left to "dry" for at least 48 hours before being laminated with IP SafeTouch, otherwise the antimicrobial properties could be negatively impacted. In application, IP SafeTouch has a high level of transparency, thereby retaining the aesthetic of the surface to which it is applied and, when applied to an appropriate substrate, it will support removability with easy clean properties in the event of any adhesive transfer. Surface preparation: Before IP SafeTouch is applied, the surface should be completely cleaned. The use of IP Surface Cleaner (MIP1000) and the lint-free, IP Surface Cleaning Cloths (MMS8373) is a good match-component cleaning solution to ensure that the surface is dry and free of dust and grease.

### Specifications

DESCRIPTION	Technical laminate
COLOUR	Clear matt
THICKNESS	80µ
WEIGHT	N/A
ADHESIVE	Solvent based acrylic, semi-permanent
ADHESIVE STRENGTH	10N / 25mm (Finat TM 1/24h)
RELEASE PAPER	PE-coated silicone paper, 140g/m <sup>2</sup>
TEMPERATURE RANGE	-30°C to +90°C
DURABILITY (UNPRINTED)	3 years
FLAME RETARDANCY	B-s1, d0
SHELF LIFE	2 years, 20°C / 50% humidity
END OF LIFE / DISPOSAL	Not currently recyclable. Can be used for refuse derived fuel (RDF)

© May 2020 Spandex Group. Technical specifications are subject to change without prior notice. All trademarks mentioned are the property of their respective owners.

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information. They are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for its specific use, not least with regard to possible application-related influences. All technical data are subject to change.

The durability expectation is based on mid European exposure conditions. The actual performance life will depend on substrate preparation, exposure conditions and the maintenance of the applied product. For instance, exterior performance will typically decrease in the case of installations facing south, in areas of extended exposure to high temperatures (such as southern European countries), in industrially polluted areas or in areas of high altitude. Also, for horizontal applications, exterior performance will typically be impacted.

In the event of improper use and/or incorrect processing that does not comply with our instructions, any liability is excluded, including that for follow-up costs. Digital: The print media should be completely dry before further processing, such as cutting, laminating, varnishing or application, or the residual solvents could otherwise change the specific features of the product. To ensure the best possible outcome, the match-component ImagePerfect™ profile should be used with the relevant ImagePerfect™ print media.