



NANO SELF CLEAN

Nanotechnology Products

FILM SURFACE TOUCH POINTS

Consisting of a 60- μ m, transparent, cast PVC containing antimicrobial agents and coated with a pressure-sensitive acrylic adhesive. Matt surface finish. Intended for antimicrobial protection of surfaces in areas that require a high level of hygiene (hospitals, agribusinesses and food industries, wet rooms, public places, etc.).

Antiviral activity on the Human coronavirus HCoV-229E strain (according to the ISO 21702 standard)

Active strains (according to ISO 22196): Reducing > 99.99 % of bacteria ascertained for:

- Escherichia coli,
- Salmonella (Salmonelle enterica),
- Listeria (Listeria monocytogenes),
- Golden staph (Staphylococcus aureus),
- Methicillin-resistant Staphylococcus aureus (MRSA),
- Pseudomonas aeruginosa.

FILM FEATURES:

Indicative value • Thickness (μ m): 60 Average values Standard • Tensile strength (N/25 mm): min. 15 • Elongation at break (%): min. 100 NFX41031 • Shrinkage 168 hours at 70 °C (158 °F) (mm): < 0.8 RET001

LINER:

- Silicone-coated PE paper. • Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet) Average value Standard • Peel strength test 180° on glass (N/25 mm): after 20 minutes of application 15 after 24 hours of application 17 • Initial tack (N/25 mm): 20 • Release (N/25 mm): 0.5 • Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

ADHESIVE:

Solvent-based acrylic adhesive. • Immediate and permanent adhesion

USER'S INSTRUCTIONS:

- Under normal usage conditions, harmless when in contact with human skin (skin compatibility study carried out under dermatological control). }

- No allergenic potential. } No irritant potential.
- Active compound: Metal NP, silver ions, < 0.3 % w/w of the entire product. • Antimicrobial activity maintained after 365 cleanings with water, alcohol, chlorine bleach and Aniosurf®
- The film surface can be cleaned/disinfected by all conventional cleaning methods, using non-abrasive accessories, cleaning products, detergents or products currently used in healthcare environments. The disinfection levels achieved are compatible with common usage in the most sensitive areas in terms of infectious risks (surgery wards, immunocompromised wards, neonatology, etc.).
- Only apply to areas that will not be in direct contact with unpackaged food. Suitable for application to regular or irregular surfaces.
- Recommended minimum application temperature: +10 °C (+50 °F). • Operating temperature range: from -40 °C to +90 °C (-40 °F to +194 °F).