



antimicrobial PVC



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HEXIS GROUP

HEXIS is one of the leading manufacturers of pressure sensitive self-adhesive sign vinyl films and inkjet media for signage applications, digital printing and vehicle marking. HEXIS pioneered their own technology to produce high performance cast vinyl films for wrapping applications.

With its headquarter in France HEXIS distributes vinyl media through subsidiaries in Germany, Italy, Spain and the United States and with affiliate Hexis companies in Netherlands, Switzerland and the United Kingdom. The group exports a third of its production to over 40 countries worldwide.

Since June 2005, HEXIS has ISO 9001 version 2008 approval for its quality management system. As part of its policies in favour of sustainable development, HEXIS is preparation of an environmental management system in line with ISO 14001 standards.

Benefiting from company internal laboratories, biochemists and intensive R&D a groundbreaking antimicrobial PVC film "HEXIS Health" (WIPO Patent WO / 2008 / 099111) has been developed capable of inhibiting growth of microbes, such as bacterias to support the fight to reduce health care associated infections (HCAIs) during health treatments.

What does HEXIS Hygiene do?

- ▶ Inhibits growth of a wide range of microbes, including *E.coli*, *Staphylococcus Aureus*, MRSA, more than 99% in accordance to tests carried out under ISO 22196 (Measurement of antibacterial activity on plastic surfaces)
- ▶ Can easily be applied and removed on a large variety of existing surfaces normally without any constructional modifications
- ▶ Largely eliminates the need for aggressive cleaning/maintenance
- ▶ Controls spread of microbes 24/7





24/7 Protection

Due to the properties of the patent Hexis antimicrobial film, no wear-off of the protection function is guaranteed over the life span of the film providing continuous 24/7 surface protection.



Where can it be used?

Basically in any hygienic sensitive area:

Healthcare (public & private), education, industrial, food manufacturing, leisure, pharmaceutical, retirement homes, sport facilities, airports, underground railway cars, fast food,...

- > Hospital patient and treatment rooms
- > Operating theatres
- > Kitchens and Services
- > Laboratories
- > Wet and Hygienically sensitive areas
- > Public waiting areas



Laboratory proven results

Different independent microbiologic laboratory tests according to ISO 22196 (formerly JIS Z 2801) have been successfully carried out which have proven the inhibition of microbes growth higher than 99%.

The URGENT need to reduce Healthcare-Associated Infections (HCAIs) cases

There is the great urgency to reduce HCAIs in healthcare by guaranteeing the highest possible level of hygiene and patient safety.

According to a study carried out by the WHO (World Health Organisation) each year in Europe approx. 50000 people die due to HCAIs and 100.000 people in the US.

In addition in Europe the treatment to heal HCAIs patients results in approximately 10 million additional patient days resulting to an estimated 13 – 25 billion Euros extra costs.

HEXIS Health PVC Films with their unique capacity to inhibit growth of a wide range of microbes are a very effective part in the defence against the spread of bacteria and complement the strategy to fight HCAIs according to best practices defined by national, european and international institutions (e.g. Health First Europe, European Commission, WHO).

Technical specification

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Application areas:

- › Hospital patient and treatment rooms
- › Operating theatres
- › Kitchens and services
- › Laboratories
- › Wet and hygienically sensitive areas
- › Public waiting areas

Suitable substrates:

- › Walls, windows, doors, door knobs, any kind of furniture (table, chair, bed,...)

Dimensions/Variations:

- Size (w x l): [1600 mm x 30 - 250m]
- Thickness: [30 µm]

Temperature span:

10°C to 40°C

Fire Rating:

Very high resistance to fire according to M1

Colour:

Transparent

Method of fixing:

Application on a large scale of substrates (walls, ceilings, floors, doors etc.) given the support is clean, dry, smooth and free of grease, oil, wax, silicon and similar substances.

Maintenance:

None

Life span:

5 years

Application support:

- Knowledge transfer trainings organized by the HEXIS internal training center
- Application service by HEXIS certified 3rd parties



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