

IDEAL PROTECTION AGAINST VIRUSES AND BACTERIA



PERMANENT ANTI-MICROBIAL PROTECTION
ON PASSENGER TRANSPORT

Bactericidal and virucidal function

WWW.KIEL-SEATING.COM

APPLICATION AREA:

INTERIORS OF PUBLIC TRANSPORT, BUSES AND TRAINS

SMEAR INFECTION

With smear infections, germs are passed on via a series of physical contacts. Germs can also adhere to objects. If, for example, handles or grab bars are in general public use, germs may be transferred onto the hands, which then unconsciously touch the face.



BACTERICIDAL AND VIRUCIDAL EFFECT

KIEL PROTECT COATING generates a protective film that permanently destroys viruses and bacteria on surfaces, therefore helping to contain diseases and epidemics.

EFFECT

KIEL PROTECT COATING is a 100% transparent, permanent, self-disinfecting and antimicrobial coating. Once applied it forms a long-lasting, wear resistant ultra thin layer of amorphous glass. The unique and innovative bactericidal and virucidal properties are proven by independent and accredited laboratories. In addition it prevents odours, the growth of mold, fungus and yeast. The driving technology won 2019 the prestigious German Innovation Award. KIEL PROTECT COATING protects nearly all kind of surfaces and makes cleaning easier. The antimicrobial effect verifiable lasts up to 12 months.

Reduction
of infection

Protection
against
infection

Surface sealing

Permanent
disinfection of
surfaces

Permanent
disinfection of
cushions/covers

ANOTHER ADVANTAGE:

The treated surfaces are easier to clean. KIEL PROTECT COATING also contains a unique GLIDE function - this means that the surfaces are protected from the usual signs of wear from sliding contact. The protective film not only permanently keeps bacteria, viruses and the like away, it also acts as a sealant on the treated surfaces.

CAN BE APPLIED TO THE FOLLOWING SURFACES:

Fibrous materials, fabrics, fibers, textiles (natural and synthetic, woven and non-woven)
Carpets, wall coverings, upholstery covers (textured and smooth), leather and synthetic leather

All plastics

All metals, plastics, all metal alloys, precious metals, metal composites, painted surfaces,

Wood

Glass

Vehicle parts on buses and trains, ventilation systems, air conditioning systems

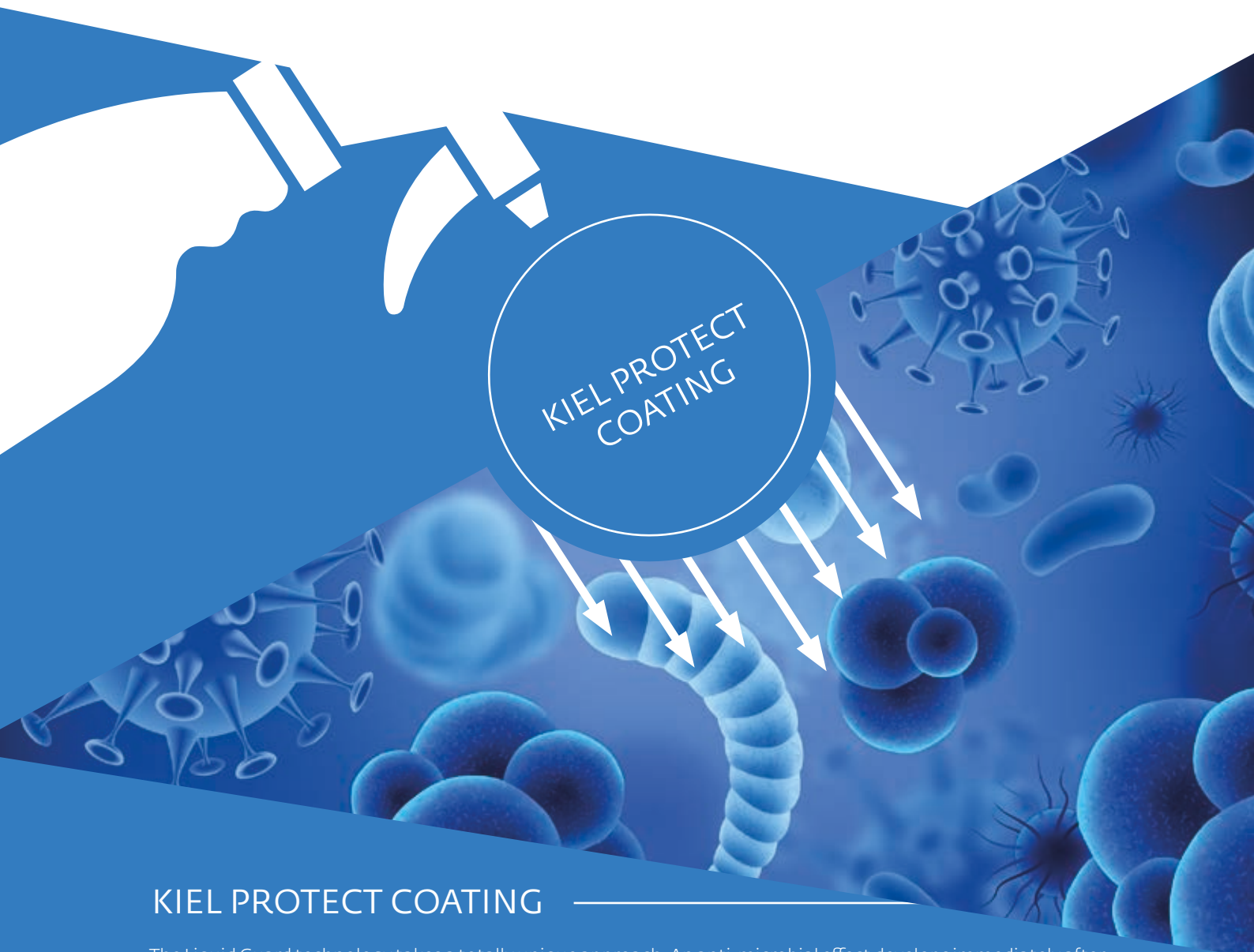
MATERIALS AND SURFACES REMAIN INTACT AND UNDAMAGED.

FUNCTION AND RANGE OF EFFECTS:

PHYSICAL PROTECTION AGAINST MICROORGANISMS

After application, a layer of microscopic spikes forms to neutralize a microbial attack. Positively charged nitrogen molecules attract the negatively charged cell wall which, after contact with the spikes, leads to the destruction and decay of the germs.

Compared to the common chemical disinfectants, where microbes resettle on surfaces shortly after cleaning, germs on surfaces coated with KIEL PROTECT COATING are physically and permanently destroyed. The negatively charged cell walls of the pathogens are attracted to the positively charged coating, and are perforated upon contact with the spikes.



KIEL PROTECT COATING

The Liquid Guard technology takes a totally unique approach. An anti-microbial effect develops immediately after application. Unlike traditional disinfection methods, it also controls long-term microbial growth, which is often maintained over the entire life cycle of the surface.



EFFECT



ANTIMICROBIAL

bactericidal & virucidal function
- effectiveness can be tested
by a marker



ODOUR INHIBITING

prevents microbially
caused odour



FUNGICIDIAL

permanent fungicidal
function



MITE REPELLENT

extracts food from
house dust mites



MILDEW-RESISTANT

prevents mould growth
on smooth and structured
surfaces



EASY TO CLEAN

facilitates the cleaning of soot,
grease, dust & biofilm



SECURITY-ENHANCING

promotes comfort,
well-being & safety



HALOGENE-FREE

free from halogens
(especially fluorine, PBT/PvB &
SVHC substances)



DERMATOLOGICALLY TESTED

rated „VERY GOOD“

Further information are available on website:
<http://www.kiel-seating.com>



Status quo: 11/2020 | subject to change without prior notice