

## Teknik Bilgiler

### 7403 UNIFOL antimicrobial self-adhesive PVC film series

#### Description

They are antimicrobial monomer PVC films that create transparent long-lasting bacteria-free environments with cadmium-free UV content. UNIFOL antimicrobial self-adhesive PVC films have been designed and developed to reduce bacterial presence by 99.99% in combination with good hygiene and cleaning practices.

- 100 micron Matt Clear

Effectiveness of UNIFOL antimicrobial self-adhesive PVC films in compliance with international standard ISO 22196 verified by ISO accredited laboratory.

ISO 22196: 2011 measures the antibacterial activity of products with the test method.

Determination of antibacterial activity (R) % > **99.99** based on ISO 22196:2011

By these analyses, we have established that our film are resistant to

- Escherichia coli ATCC 8739
- Enterococcus faecalis – ATCC 29212
- Listeria monocytogenes - ATCC 13932
- Klebsiella pneumoniae – ATCC 4352
- Staphylococcus aureus - ATCC 6538
- Pseudomonas aeruginosa – ATCC 27853
- Salmonella enterica - ATCC 14028
- Staphylococcus aureus Methicillin resistant – ATCC 33591
- Legionella pneumophila

#### Area of Use

UNIFOL antimicrobial self-adhesive PVC films are based on an innovative antimicrobial agent which is incorporated to in whole PVC matrix so, in comparison within other antimicrobial treatment achieve by paints and coatings, it protects the surfaces for extended periods of time, easily resisting to scratch actions also when applied in areas subject to repeated abrasion like floor and wall covering. UNIFOL antimicrobial PVC films are easy to clean, hygienic and extremely durable materials . So clinics and hospitals respond to one of today's biggest challenges with the positive impact of cross contamination on public buildings in general, such as Kindergarten, School, Home, Office, post office, gas station, reception.

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### Release Liner

Specially produced highly stable 138g /sqm, one side silicone coated kraft paper.

### Adhesive

Solvent based acrylic permanent clear adhesive.

### Printing Technology

Suitable for Solvent, ECO Solvent, UV ve Latex printing technology.

## Technical Characteristics

Properties	Test Method	Value
<b>Film Thickness *</b> (Adhesive and Release Liner are Excluded)	ISO 4591:1992	Matt clear 0,100mm (100 micron)
<b>Adhesive Power **</b>	FINAT TM 1 (Stainless Steel)	Initial >8 N/25 mm 20 Minutes >12 N/25 mm 24 Hour >16 N/25 mm
<b>Tensile Strength</b>	ISO 527-1:2012	Along : >16MPa Across: >18 MPa
<b>Elongation Strength</b>	ISO 527-1:2012	Along : >%160 Across: >%170
<b>Dimensional Stability</b> (150x150 mm / 48 hour / 70°C)	FINAT 14 / Steel	< 0,4 mm
<b>Temperature Resistance</b>		-30°C ile +90°C
<b>Application Temperature</b>		> +10°C
<b>Shelf Life ***</b>		2 Years
<b>Service Life</b>	The given values are prepared as considering vertical applications in middle of Europe climate conditions.	Indoor 3 Years (Unprinted)

Not: The film which will be laminated should be rested min. 24 hours after printing.

## Attention

Before the application the surface must be cleaned from dust, powder, oil and all other things which will affect the adhesive properties. Freshly lacquered or painted surfaces must be kept waiting at least 2 weeks for maximum results. For all applications Unifol Application Guide must be considered. The statement in this data sheet is intended only as a source of information and is given without guarantee. For large application areas and wide range application differences, users must test the product for their applications. Calculated for applications under Middle Europe climate conditions and for vertical applications. This information stated on this documents depends on user experiences and don't give any warranty for the product. UNIFOL-UNICAST brand names are registered trade marks of BES REKLAM A.Ş.

\* Average %3

\*\* With original package at 23 C and 50% relative humidity

\*\*\* Calculated for applications under Middle Europe climate conditions and vertical applications

In the event of indemnification of the losses that may be subject to the compensation, UNIFOL technical team reserves to right of examination.

The costs other than the material itself (workmanship, ink, consumables, print, and removal, cleaning etc. costs) will not be included for calculations of the potential losses that may occur. UNIFOL replace the defective materials if necessary. Product replacement will be accepted only after approval of UNIFOL LABORATORIES.

Unifol application guide can be obtained from sales representatives or downloaded from unifol official website [www.unifol.com.tr](http://www.unifol.com.tr)