First in Turkey! *





PANEL SURFACES EFFECTIVE AGAINST VIRUSES, BACTERIA AND FUNGI Safe Living Spaces

*Safe Surface featured melamine coated panels are the first in Turkey in the sector with their effective surface feature against viruses.







PANEL SURFACE EFFECTIVE AGAINST VIRUSES, **BACTERIA AND FUNGI**

Viruses and harmful bacteria continue to be an important threat to human life in all habitats. **Safe Surface** panel surfaces, developed as a result of the studies carried out by Kastamonu Entegre using pioneering and latest technologies, create much healthier and safer living spaces while being highly effective against viruses, bacteria and fungi. Melamine-coated panels produced with **Safe Surface** technology are 99.9%* effective against viruses, bacteria and fungi that contact their surfaces.





EFFECTIVE RESULTS AGAINST NON-ENVELOPED VIRUSES

According to the results of the experiments performed with nonenveloped viruses (in accordance with ISO 21702:2019 standards)
in the German Hohenstein Institute Laboratories; Safe Surface
panels are 99.9%* effective against viruses that come into
contact with their surfaces. The MS2 virus used in the standard
test method is a non-enveloped virus and is much more difficult
to destroy than enveloped viruses. Melamine-coated panel
surfaces of Kastamonu Entegre, effective against viruses and
bacteria, pass this challenging test with a high degree of success.
In this way, it is foreseen that the effectiveness of the surfaces
against viruses, bacteria and fungi will be long-lasting, and the
possibility of re-activation of viruses is eliminated.

Test Method: ISO 21702:2019





STRONG FORMULA AGAINST VIRUSES!

In response to the increasing need for a hygienic and healthy environment due to the Covid-19 pandemic, Kastamonu Entegre offers an effective surface technology against viruses, bacteria and fungi as a result of intensive R&D studies. With this special formula, Kastamonu Entegre once again shows its sensitivity to the environment and human health.



Surfaces that are effective against viruses, bacteria and fungi by 99.9%*



Silver-free

*Shows its effect within 24 hours.



HEALTHY SPACES FREE OF BACTERIA, VIRUSES AND FUNGI

The surface technology effective against viruses, bacteria and fungi, developed in the R&D Center of Kastamonu Entegre, the leader in the wood-based panel industry, in Teknopark Istanbul, has the distinction of being the first in its sector in Turkey. Being the first silver-free panel in the world among similar solutions, it leads the innovations in the industry. Melamine-coated panel surfaces produced with surface technology effective against viruses, bacteria and fungi can be safely used in public spaces that are important for public health, such as hotels, hospitals, gyms, schools, and airports, as well as personal living spaces.







MELAMINE COATED PANELS WITH SAFE SURFACE FEATURE

Safe Surface featured melamine coated panels are the first in Turkey in the sector with their effective surface feature against viruses.

(Safe Surface feature is not valid for lacquered products)



Melamine Faced MDF

PRODUCT SIZES

Width (mm)	Length (mm)	Thickness (mm)*	
1830-2445	2100-3660	6-40	





Melamine Faced Particle Board

PRODUCT SIZES

Width (mm)	Length (mm)	Thickness (mm)*
1830-2200	2800-5600	6-38

*Producing different sizes within the range requires a certain order quantity.
For detailed information, please contact the Sales Representatives.

HOHENSTEIN

Kastamonu Entegre Agac San. ve Tic. A.S. Altunizade Mah. Kisikli Cad. No. 13 34662 ÜSKÜDAR - ISTANBUL TURKEY

Hohenstein Laboratories GmbH & Co. KG

Schlosssteige 1 74357 Bönnigheim - Germany

Life Science & Care Telefon / Phone +49 7143 271 420 Fax +49 7143 271 94420 j.secker@hohenstein.de

Zuständig für Rückfregen / Contact person Unser Zeichen / Our ref.

Detum / Date 28 Januar 2021

Bericht Nr. / Report No. 21.8.3.0029

Auftraggeber:

Hohenstein Istanbul Tekstil Analiz ve, Kontrol Hizmetleri Ltd. Sti., Cumhuriyet Mah. 1990. Sok. No. 8, Cinarpark Residence, A Blok, Dükkan. 5, 34515 ESENYURT – ISTANBUL, TURKEY

siehe Seite 2 Prüfgegenstand: Auftragsdatum: 25.01.2021

Eingang Prüfgegenstand: 22.01.2021

Prüfzeitraum: 26.01.2021 bis / to 28.01.2021

Der Prüfgegenstand wurde uns vom Auftraggeber übersandt. The test sample has been delivered to us by the client.

LINTERSLICHLINGSZIEL / A/M OF TEST

PRÜFGEGENSTAND / TEST SAMPLES

Probennr. / Sample No. | Prüfgegenstand / Test sample

Melamin Kapli Levha

Der Prüfgegenstand wurde wie vom Auftraggeber eingesandt für die Prüfung verwendet.

The sample was used like handed over by the

HOHENSTEIN

METHODE / METHODS

PRÜFGRUNDLAGE

TEST SPECIFICATION

Medical entre 16 Balterspringer MS2 (DSM Medical entre 16 Balterspringer MS2 (DSM 13767, ACC 15597 81).

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Inokulationsmedium: NaCl 0,85 % + 0,05 % Tween 80

Elutionsmedium: NaCl 0,85 % + 0,20 % Tween 80 Auswertung: Plaqueassay modifiziert für verwendetes Testvirus Wirtsbakterium:

Wirtsbakterium: Escherichia coli (DSM 5695, ATCC 12435) Host strain: Escherichia coli (DSM 5695, ATCC 12435)

MODIFICATION

Sterilisation: UV
 Thinning agent for inoculation:
 NaCl 0,85 % + 0,05 % Tween 80
 Thinning agent for elution:

Thinning agent for elution:
NaCl 0,85 % + 0,20 % Tween 80
Analysis:
Plaque essay modified for test virus used
Host strain:

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RERECHNUNGSGRUNDLAGE

CALCULATION

Berechnet wird die Partikelreduktion über 24 Stunden The particle reduction is calculated over 24 hours on auf der Probe gegenüber dem Kontroll- oder Referenzmaterial, nach der Formel the sample, in comparison to the control material and reference material respectively, according to the formula:

$R = \lg(U_t) - \lg(A_t)$

R - antivinale Minisoanivell.

[§(b)) - alignemiere Lagerithmus des airlimetéscher Mittels von 3

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ERGEBNIS / RESULT

BAKTERIOPHAGE / BACTERIOPHAGE MS2 (DSM 13767, ATCC 15597-B1)

Konzentration des Inokulats / Concentration of inoculum: 7,97 x 106 PFU/ml / pfu/ml

Reduktionswerte / Reduction values:

Prüfgegenstand/	***************************************		rage value	Partikelreduktion / Particle reduction R	
test sample		PFU absolut pfu absolute	l g PFU lg pfu	Ig PFU Ig pfu	
Kontrolle / control	0 h	1,59 x 10 ⁶ 2	6,20	-	
Objektträger /glass slide 13	24 h	7,17 x 10 ⁵ ²⁾	5,86	-	
21.8.3.0029	24 h	5,46 x 10 ² 2	2,74	3,12	

Kontrollmaterial (nicht antiviral aktiv)
 Plasure bildender Einheiten (Mittelwert von 3 Prüffingen)
 Plasure bildender Einheiten (Mittelwert von 3 Prüffingen)
 number of plasure forming units (average of 3 test places)

ZUSAMMENFASSUNG / CONCLUSION

BEURTEILUNGSKRITERIEN

In Anlehnung an ISO 18184:2014-09,

Effektivität der antiviralen Eigenschaft	Wert de Wi
keine	
gering	2
signifikant	

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BEURTEILUNG ASSESSMENT

Controls

Die Ergebnisse der Kontroliversuche waren nicht zu the experimental procedure was valid. The experimental procedure was valid.

Probe / sample 21.8.3.0029

Unter gegibbnene Wersuchsbedingungen wurde für die untersuchte Probe im Vergleich zum Kentrollnation sich untersuchte Probe im Vergleich zu Mehren der geweisten Entstrums Backterophage MSZ eine signifikante antwirke Wirksamher backgewiesen.

NOTE

Die Untersuchung wurde mit einem unbehüllten Virus (Bakteriophage MS2) durchgeführt. Die Ergebnisse dieser Prüfung geten für das eingesetzte Testvirus.

Schloss Hohenstein 28 Januar 2021

Dr. Anja Gerhardts



roduct Manager Microbiology Life Science & Care

Des Également lessifiems soit n'eur des des untersoulement Prodes. De Monaument renir de les finites excels enteits de les des conventingage serviciousles, en montait au cession de la causagement, andere de la causagement, andere de la causagement, andere de la causagement de la ca



MUAYENE VE ANALİZ RAPORU

NUMUNEYÎ GÖNDEREN/ MÜŞTERÎ ADI	KASTAMONU ENTEGRE AĞAÇ SANAYI VE TİCARET A.Ş.			
ADRESI	ALTUNIZADE MH. KISIKLI CD NO:13 34662 ÜSKÜDAR İSTANBUL			
PROJE ADI				
cinsi	MELAMÍN KAPLI LEVHA			
SERI-PARTI/NO	-			
AMBALAJ ŞEKLI/TÜRÜ	NAYLON AMBALAJ	GELİŞ TARİHİ	19.02.2021	
		ANALİZ BAŞLANGIÇ	19.02.2021	
MİKTARI	6 ADET	RAPOR TARIHI	22.03.2021	
RAPOR NO	2060325-21	SAYFA NO	1/1	
TEST MİKROORGANİZMALARI	Aureobasidium pu Aspergillus niger	ilulans		

MIKROORGANIZMALARI Penicillium sp.

19/02/2021 tarihinde sarafnuzca gododarlen "NELAMIN KAPLI LEVHA" numunesinde yapılan analiz inceleme sonuşları aşağıda bilgilerinize sunurmaktarılı

ORAN	SONUÇ	Standart No
10	Üreme Yok	ASTM D 3273

Numunelerin değerlendirmesi aşağıdaki tabloya göre gerçekleştirilmiştir.

ORAN	SONUÇ	
10	Üreme Yok	
9	%1-10 arası üreme	
- 8	%11-20 arası üreme	
7	%21-30 arası üreme	
6	%31-40 arası üreme	
5	%41-50 arası üreme	
4	%51-60 arası üreme	
3	%61-70 arası üreme	
2	%71-80 arası üreme	
1	%81-90 arası üreme	
0	%100 üreme	

SONUÇ." MELAMİN KAPLİ LEVHA" numunosinin küf üreməsini engellemede etkili ciduğu təspit edilmiştir. Görüs və Yorumlar.

Canal KÖLÖĞLÜ Mikrobiyota Bölüm Soruml

Yssemin AKRIYIK

TER GIDA - ÇEVRE BILINI GÖZE Numune Kabili ve Ri

MUHENDIŞLIK HIZ TÜR TÜÇ AŞ. Sorumluğu

MÜHENDIŞLIK HIZ TÜR TÜÇ AŞ.

BI JANILÎZ KAPOKIJ AQLÎĞOMÎ VE KIKLAM AMACÎ LE KULLANLAMAZ KAPOKLAFMEZIN HISMEN ÇOĞAL BI ANGLÎZ RAPOKLANIN HÎÇBÎR BOLÛMÛ TEV BAŞINA VEYX AYBI AYBI KULLANLAMAZ ANALÎZ BOWOŞÎ VE MOÇHOĞIĞ PANOPLAR BOŞÎÇIRIZDÎN.

F.02.63/Rev.1/19.04.21/26.08.20

Yeni Sahra Mt. Fath Cd. No. 18 Angehir 34746 Istanbul e-mailt sanim Tel: (0216) 470 81 48 - 470 81 49 Fato (0216) 470 99 38 GS www.saniflor.com.tr

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22/01/2021 tarihinde tarafinu and other non-persus surface	es), gore last edilmiştir.	MI WAYLI LEVHA' om		Aeasurement of ambacteria	al activity on plas
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Escherichia coli ATCC 8739	6.10×10 ⁹	1.1x10 ⁴ (log:4.04)	3.43×10 ⁴ (log:5.53)	112 (log:2.05)	U
ANTIBAKTERİYEL AKTİ	VİTE (R deljeri 2'de	n büyük olmalıdır) =	R=Ut-At= 3,48		
Staphylococcus aureus	5.80v101	9.2×10 ³	2.70x10 ⁵	60	
ATCC 6538		(log:3.16)	(log:5.43)	(log:1.83)	U
ANTIBAKTERİYEL AKTİ *Turkak tarafından akrodike i		n büyük olmalıdır) =	R+Ut-At+ 3,60		
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Entegre and Kastamonu Entegre customers.

bridging nature and life



