

DISPOSABLE CLEAR-PANEL FACE MASKS

TYPE IIR

THE ENVIRONMENTALLY-CONSCIOUS AND AFFORDABLE SUPPLIER OF PPE WORLDWIDE

PROPOSAL TO: THE NATIONAL HEALTH SERVICE (NHS)



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 $EcoTextura\ Ltd$ 

# 3-PLY CLEAR-PANEL FACE MASKS (TYPE IIR) PROPOSAL



# **ECOTEXTURA**

EcoTextura is revolutionising the PPE and hygiene industry. We develop and produce our proprietary, sustainable medical personal protective equipment (PPE), whilst using our vast network of trusted OEMs to supply high-quality, existing PPE products.

Environmentally-conscious practices are at the centre of our operations; we will only employ manufacturing processes and materials which ensure reduced waste, water and energy usage, as well as offering more recycling waste management options. The majority of our manufacturing plants are located within Europe, and we look to offset carbon for all orders made.

Through reputable ties direct to manufacturers, we cut out the agents in between and deal directly to provide certified nitrile gloves, gowns, surgical masks, KN95 masks etc. We have been fulfilling multiple contracts across corporates, The NHS, educational establishments, local councils, care homes, NGO's and charities.

EcoTextura actively discourages price gouging, especially during such challenging times, and will only offer affordable, accessible and competitive pricing for all of our clients.

# WHY CLEAR-PANEL FACE MASKS?

For those who are deaf and hard of hearing, lip-reading is heavily relied on as a form of communication. With the majority of the people now wearing masks, this has caused a huge problem for a significant proportion of the population, who are now struggling with daily interactions. Wearing clear-panel masks at in public places, not only keeps you protected (more effectively than a face-shield), but will allow effective lip-reading for those who are hard of hearing.

We want to help make mask wearing accessible and less stressful for deaf and hard of hearing patients, and those that take care of them.



# FUNCTIONAL BENEFITS OF THE ECOTEXTURA CLEAR-PANEL FACE MASK

- Our masks are 3-ply; consisting of durable spunbond and microfilament nonwoven layers, including a fluid-resistant nonwoven interface
- 3 ply face masks are manufactured to EN14683 Type IIR standards; ideal for hospital settings, and have been tested to a bacterial filtration efficiency (BFE) of >98%
- Masks have elasticated ear loops and nose fit for comfortable wear
- Masks are disposable when disposed of correctly, can reduce the spread of infections

- Clear-panel masks are individually sealed and packed in sets of 25pcs
- Our unique mask structure allows for effortless lip-reading communication without the mouth area touching the panel
- Masks are a standard size which can be worn by adults. Additionally, the ear-loop can be looped once more to fit smaller children or smaller faces
- Printing designs are readily customisable to your needs and do not compromise the structural integrity or performance of the masks. Printed masks are reversible; with one plain side and one printed side
- Wholesale discounts available

Parameters	Type I	Type II	Type IIR
Differential pressure	<40	<40	<60
Bacterial Filtration Efficiency	≥95	≥98	≥98
Bioburden	≤30	≤30	≤30
Splash test	n/a	n/a	Yes

Please see all supporting documents, internationally accredited EuroLab test results and certifications at the end of this proposal.

# PROTECTION - COMFORT - IMPROVED COMMUNICATION



# PRICING AND ORDER INFORMATION

# **Price (DDP Pricing):**

DISPOSABLE FACE MASK TYPE	MASK QUANTITY (PCS)	PRICE/MASK	PACK QUANTITY (PACK OF 25 PCS)	PRICE/PACK	LEAD TIME	DELIVERY TIME
CLEAR-PANEL FACE MASK						
WHITE	100 - 5,000	£0.90	4 - 200	£22.50	In stock	1 day
IIR RATED	5,025 - 25,000	£0.85	201 - 1,000	£21.25	7-10 days	2-3 days
(ECOT01TRLR01)	25,025 - 50,000	£0.80	1,001 - 2,000	£20.00	14 days	2-3 days
	50,025 - 250,000	£0.75	2,001 - 5,000	£18.75	14 days	2-3 days
	250,025 - 500,000	£0.70	5,001 - 10,000	£17.50	14 days	2-3 days
	500,000+	£0.65	10,000+	£16.25	14 days	2-3 days
CLEAR-PANEL FACE MASK	5000	£1.00	200	£27.50	In stock	1 day
IIR RATED	5,025 - 25,000	£0.95	201 - 1,000	£26.25	7-10 days	2-3 days
(ECOTO1TRLRO2)	25,025 - 50,000	£0.90	1,001 - 2,000	£25.00	14 days	2-3 days
	50,025 - 250,000	£0.85	2,001 - 5,000	£23.75	14 days	2-3 days
	250,025 - 500,000	£0.80	5,001 - 10,000	£22.50	14 days	2-3 days
	500,000+	£0.75	10,000+	£21.25	14 days	2-3 days

# All masks are sold in packs of 25pcs

# MOQ:

• White Masks: 100 pcs face masks (4 packs)

Product code: ECOT01TRLR01

• Printed Masks: 500 pcs face masks (20

packs)

Product code: ECOT01TRLR02

# **Mask size - Standard**

Mask: 17.5 cm (W) x 21 cm (L)

Ear loop: 16 cm (loose), 32 cm (fully stretched)

(+/- 5% tolerance)

**Packaging:** Masks are individually wrapped, then sealed a film pack in sets of 25pcs, and packaged within a secure card box.

# Ctn Dimensions (may vary on order size) (approx):

60 cm X 60 cm X 65 cm Ctn Weight: 6.0 Kgs

Pcs / packet or box: 25 masks

Pcs / Carton: 1000 masks (40 packets)

**Delivery:** Free delivery on all orders

Please note that the quoted lead time is the maximum time expected. Lead times will be more accurately quoted once the order is placed.

# **Certifications:**

CE, EN 14683:2019+AC2019 ISO9001:2015 ISO11737-1

# **Country of origin:**

Turkey

# \*Offer Validity:

31st October 2020

# **PAYMENT TERMS**

- TT Bank Transfer
- 100% in advance along with PO

# To enquire please contact

sales@ecotextura.com



# MASK IDEAS AND THEMES

Our printed lip-reading masks are reversible - it's up to you if you want to wear them the plain or printed side out!

What's great about our masks is that the designs are down to you! The possibilities are endless so please get in touch if you have any ideas.

Below, we have put together some example design themes for you to select from. Block colours and repeat patterns work well. Designs can be printed onto any non-woven masks.

You have free reign to select any design elements (subject to copyright and ownership), we can work with you immediately to digitise this into a repeated pattern that will be printed safely onto our high-quality non-woven mask fabric. (Therefore, please note that the positioning of the illustrations on each mask will vary)

Free samples can be requested, personalised design prototypes will require an MOQ - please get in touch for more information!

info@ecotextura.com



# SPACE THEME

Take a trip to outer-space with our incredible space themed masks, covered in rockets, stars and planets!

# DINOSAURS

Our fantastic dinosaur themed masks will come covered in dinosaurs, eggs, volcanoes and of course - the mighty T-Rex!





# ANIMALS

Our brightly-coloured animal mask will feature all our favourite animals! In addition to this, we can offer the NHS logo to be printed onto any of the masks, free of charge.

# SUPER HEROES

In 2020 we have seen many heroes rise! Our super hero mask comes complete with city skyline and various heroes and villians.



# NHS A SANCE OF THE SANCE OF THE

# **FUNKY PATTERNS**

Go to town with our patterned masks - this can include retro patterns, cakes, animal print, and even cacti - you name it, we can probably make it!













# **PRINCESSES**

Everyone should always feel like a royalty. Enjoy our princess mask, complete with tiaras, sparkles and of course - princesses from all the lands!





# NHS DOCTORS AND NURSES

Our hospital themed mask can feature all the important elements of a hospital - complete with the NHS rainbow and logo!

# **STARS & EMOJIS**

Another fantastic pattern idea - we can include any and all emojis and stars to cover our masks and help make mask-wearing fun & colourful!







# NHS

Finally, our simple but elegant NHS logo mask.

The possibilities are endless with our masks so please get in touch if you have any ideas.

Free samples can be requested, design prototypes will require an MOQ - please get in touch for more information!

info@ecotextura.com



# SPECIFICATION & CERTIFICATES

Further documents and product photos available upon request, please email: info@ecotextura.com











#### TEST / INSPECTION REPORT

#### **EUROLAB LABORATORY SERVICES** TÜRCERT TEKRİK KONTROL VE BELGELENDİRME A.S.



#### Requirements and test methods

This European Standard specifies construction, design, performance requirements and test methods for medical face masks intended to limit the transmission of infective agents from staff to patients during surgical procedures and other medical settings with similar requirements. A medical face mask with an appropriate microbial barrier can also be effective in reducing the emission of infective agents from the nose and mouth of an asymptomatic carrier or a patient with clinical

All tests shall be carried out on finished products or samples cut from finished products, if applicable in their storile state.

#### Method for in-vitro determination of bacterial filtration efficiency (BFE)

A specimen of the mask material is clamped between a six-stage cascade impactor and an aerosol chamber. An aerosol of A specimen or the mask material is camping opened a sin-stage cascade impacts in an on a recross character. As even of staphylococcus aureus is introduced into the aerosol chamber and drawn through the mask material and the impactor under vacuum. The bacterial filtration efficiency of the mask is given by the number of colony forming units passing through the medical face mask material expressed as a percentage of the number of colony forming units present in the

## Reagents and materials

#### General

Describe commercially available solutions of tryptic soy agar and tryptic soy broth. Other variants may be suitable.

#### Tryptic soy agar

Formula/liter

Final pH

Enzymatic digest of casein 15 g Enzymatic digest of soybean meal 5 g 15 g 7,3 ± 0,2 at 25 °C

th, Gençasman Cd, No 11 / A GÜNGÖREN / ISTANBUL Tel: 0212 702 20 10 Fax: 0212 909 21 10 www.laboratuvar.com E-mail: info@laboratuvar.com Merkez Mh. Geno



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positive control plates calculate the mean particle size of the bacterial challen conversion table in accordance with the instructions of the cascade impactor mans.

# Calculation of bacterial filtration efficiency

For each test specimen calculate the bacterial filtration efficiency II, as a percentage, using the following form

B = (C-T) / C × 100

C is the mean of the total plate counts for the two positive control runs:

T is the total plate count for the test specimen

# Method for determination of breathability (differential pressure)

## Principle

A device which measures the differential pressure required to draw air through a measured surface area at a constant air flow rate is used to measure the air exchange pressure of the medical face mask material, as shown in Figure 1. Water and mancreters (ML and M2) are used to measure the differential pressure. A flow meter is used for measurement of the airflow. An electric vacuum pump draws air through the apparatus and a needle valve is used to adjust the airflow



Figure 1 — Apparatus for measuring air resistance



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Enzymatic digest of casein 17 g Enzymatic digest of soybean meal 3 g Sodium chloride Destrose Final pH 7.3 ± 0.2 at 25 °C

Dontone

Sodium chloride 5 g 7,3 ± 0,2 at 25 °C

#### Preparation of bacterial challenge

Staphylococcus aureus shall be inoculated into 30 ml tryptic soy broth in an Erlenneyer flask and incubated with mild shaking at a temperature of  $(37 \pm 2)$  °C for  $(24 \pm 2)$  h. The culture shall then be diluted in peptone water to give a concentration of approximately 5 × 105 cfu/ml.

concentration of approximately > x size cru/mi.

The bacterial challenge shall be maintained at ( $2.200\pm500$ ) cfu per test. The bacterial challenge shall be determined on the basis of experience and previous positive control plates (see 8.6.3) and the dilution of the challenge suspension adjusted accordingly. The mean particle size in the bacterial challenge shall be maintained at ( $3.0\pm0.3$ ) µm (see 8.6.9).

Assemble the apparatus in accordance with the flow chart shown in Figure 8.1.

Deliver the bacterial challenge to the nebulizer using the peristaltic or syringe pump.

Deriver the pacterial challenge to the negulizer using the peristant or syringe pump.

Perform a positive control run without a test specimen. Initiate the bacterial challenge by turning on the vacuum pump and adjust the flow rate through the cascade impactor to 28,3 L/min, Deliver the bacterial challenge for 1 min. Maintain the airflow through the impactor for 2 min. Then remove the plates from the impactor. Ensure that each plate is numbered to indicate its position in the impactor.

Place fresh plates in the impactor, fix a test specimen in place and repeat the above pro-

Repeat this procedure for each test specimen.

After the last test specimen has been tested, perform a further positive control run.

Perform a negative control run by passing air, without addition of the bacterial challenge, through the cascade impactor

incubate all the plates at (37  $\pm$  2) °C for (48  $\pm$  4) h.

For each specimen and control run, count the number of colonies on each plate and add up the counts to give the total number of cfu collected by the impactor using the "positive hole" conversion table1) in accordance with the instructions of the cascade impactor manufacturer. For the two positive control runs, take the mean of the two totals. From the



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The test specimen is placed across the 2,5 cm diameter orifice (total area 4,9 cm2) and clamped into place so as to minimise air leaks and that the tested area of the specimen will be in line and across the flow of air. The pump is started and the flow of air adjusted to 8 l/min. The manometers M1 and M2 are read and recorded. The procedure described in steps 1 through 3 is carried out on 5 (or appropriate number of) different areas of the mask and the readings averaged.

# Calculation of differential pressure

For each test specimen calculate the differential pressure  $\Delta P$  as follows:

 $\Delta P = (Xm1 - Xm2)/4,9$ 

Xm1 is pressure in Pa, manometer M1, mean of 5 test areas, low pressure side of the mater Xm2 is pressure in Pa, manometer M2, mean of 5 test areas, high pressure side of the mate 4,9 is the cm3 area of the test material;  $\Delta^p \text{ is the differential pressure per cm2 of test material expressed in Pa.}$ 

When tested in accordance with ISO 22609 the resistance of the medical face mask to penetration of splashes of liquid shall conform to the minimum value given for Type IIR in Table 1.

# Microbial cleanliness (Bioburden)

When tested according to EN ISO 11737-1 the bioburden of the medical mask shall be  $\leq 30$  cfu/g tested (see Table 1). To determine the mask's bioburden according to EN ISO 11737-1, follow the procedure below:

The number of masks that shall be tested is minimum 5 (five), but can be greater if necessary to allow for an AQL of 4 %. Weigh each mask prior testing. The full mask is aseptically removed from the packaging and placed in a sterile 500 ml bottle containing 300 ml of extraction liquid (1 g/l Peptone, 5 g/l NaCl & 2 g/l polysorbate surfactant 20 (e.g. Tween 20, Alkest TW 201).

Altest TW ZOJ.

The bottle is laid down on an orbital shaker and shaken for 5 min at 250 rpm. After this extraction step, 303 ml of the extraction funding lifered through a 0,45 µ filter and laid down on a TSA plate for the total visible aerobic microbial count. Another 100 ml aliquot of the same extraction liquid is filtered in the same way and the filter plated on Sabouraud Dextrore agar (SDA) with chloramphenicol for fungle enumeration. The plates are incubated for 3 days at 30 °C and 7 days at (20 – 25) °C for TSA and SDA plates respectively.

The total bloburden is expressed by addition of the TSA and SDA counts.

In the report, indicate the total bioburden per mask and based on the mask weigh, the total bioburden per gram tested.



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#### TEST REQUIREMENTS

Test	Type I*	Type II	Type IIR	
Bacterial filtration efficiency (BFE), (%)	≥ 95	≥98	≥ 98	
Differential pressure (Pa/cm2)	< 40	< 40	< 60 ≥ 16,0	
Splash resistance pressure (kPa)	Not required	Not required		
Microbial cleanliness (cfu/s)	≤ 30	≤30	≤ 30	

<sup>&</sup>quot;Type I medical face masks should only be used for patients and other persons to reduce the risk of spread of infections particularly in epidemic or pandemic situations. Type I masks are not intended for use by healthcare professionals in an operating room or in other medical settings with similar requirements.



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### TEST RESULTS

EN 14683 Inspection

SAMPLE: 100 gr

Test	Type IIR	Result	Evaluation
Bacterial filtration efficiency (BFE), (%)	≥ 98	99,95	PASS
Differential pressure (Pa/cm2)	< 60	22	PASS
Splash resistance pressure (kPa)	≥ 16,0	20	
Microbial cleanliness (cfu/g)	≤ 30	18	PASS

## SAMPLE: 80 gr

Test	Type IIR	Result	Evaluation	
Sacterial filtration efficiency (BFE), (%)	≥ 98	99,22	PASS	
Differential pressure (Pa/cm2)	< 60	22.)	PASS	
Splash resistance pressure (kPa)	≥ 16	18	PA55	
Microbial cleanliness (cfu/g)	≤ 30	18	PASS	



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# **EU DECLARATION OF CONFORMITY** AB UYGUNLUK BEYANI

Single Use Medical Coverall Tek Kullonmik Tobi Tulum

Medical Devices Regulation (EU) 2017/745 Fibb Charler Divinif (2017/745/AB)

EN ISO 15223-1:2016 EN ISO 14971:2012 EN ISO 14155:2011 EN ISO 10993-1:2009

Class I Other Smif I Diğer (Steril ve ölçüm özelliği olmayan)

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Bu upgunluk deklaranyonu üreticinin kendi sonumluluğunda düzenlenmiştir.

The object of the declaration described above is in conformity with the relevan European Union harmonization legislation: Fullands apidizana dektorasponus amos, gist Amaga Skrigi uşum mercuno le organ adduğulur.

Signed for and on behalf of the C



# EU DECLARATION OF CONFORMITY AB UYGUNLUK BEYANI

Medical Devices Regulation (EU) 2017/745 1/bbi Chazlar Direktili (2017/745/AB)

EN 13795-1:2019 EN ISO 15223-1:2016 EN ISO 14971:2012

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This declaration of conformity is issued under the sole responsibility of the manufacturer, the wygunluk deklarasyonu arcticom kendi sarumbulufunda diseolenesiytir.

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Signed for and on behalf of the

Name, Function (Isins, Görçvi); | Place of issue (Yayınlanma yeri) Date of issue (Yayınlanma turihi): 30.03.2020



# ISO 9001:2015

BAY VE BAYAN TEKSTİL ÜRÜNLERİNİN TASARIMI VE ÜRETİMİ İLE SAĞLIK ÜRÜNLERİ MASKE, BONE, KEP, GALOŞ, KOLLUK, TULUM, ÖNLÜK VB.) ÜRETİMİ VE SATIŞI

DESIGN AND PRODUCTION OF MEN'S AND WOMEN'S TEXTILE PRODUCTS AND PRODUCTION AND SALES OF HEALTH PRODUCTS (MASK, BONNET, CAP, OVERSHOES, SLEEVE COVER, OVERALL, APRON ETCJ

:31.3.2020 :31.3.2020

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# **GHP**

BAY VE BAYAN TEKSTİL ÜRÜNLERİNİN TASARIMI VE ÜRETİMÎ İLE SAĞLEK ÉRÊNLERÎ (MASKE, BONE, KEP, GALOŞ, KOLLUK, TULUM, ÖNLÜK VIL) ÜRETÎMÎ VE SATIŞI

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Dulge 140 / Cartification Fluidor Tis Kaye Terito / Date of Settle Rog Beans Terito / Date of Cartificate Cognition Terito / Date of Enginy

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Bu Belge ile

Firmasının

# ISO 13485:2016

şartlarına uygun bir Medikal Tıbbi Cihazlar Kalite Yönetim Sistemine azağıda belirillen kapsam dahilinde sahip olduğunu onaylar

MDQ-8824 :30 Mart 2028 :30 Mart 2028 :30 Mart 2028 :29 Mart 2021

