

# TRAINING PRODUK VINYL

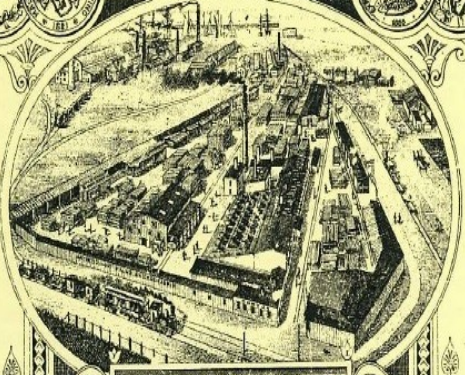


**PT. Alderon Pratama Indonesia**

 **Tarkett**  
THE ULTIMATE FLOORING EXPERIENCE



PRISKURANT  
PARKETTGOVL  
FRAN



AKTIEBOLAGET  
MALMÖ SNICKERIFABRIK

LIMHAMN

1911.

Telegrafadress:  
SNICKERIBOLAGET  
MALMÖ.



**TARKETT**

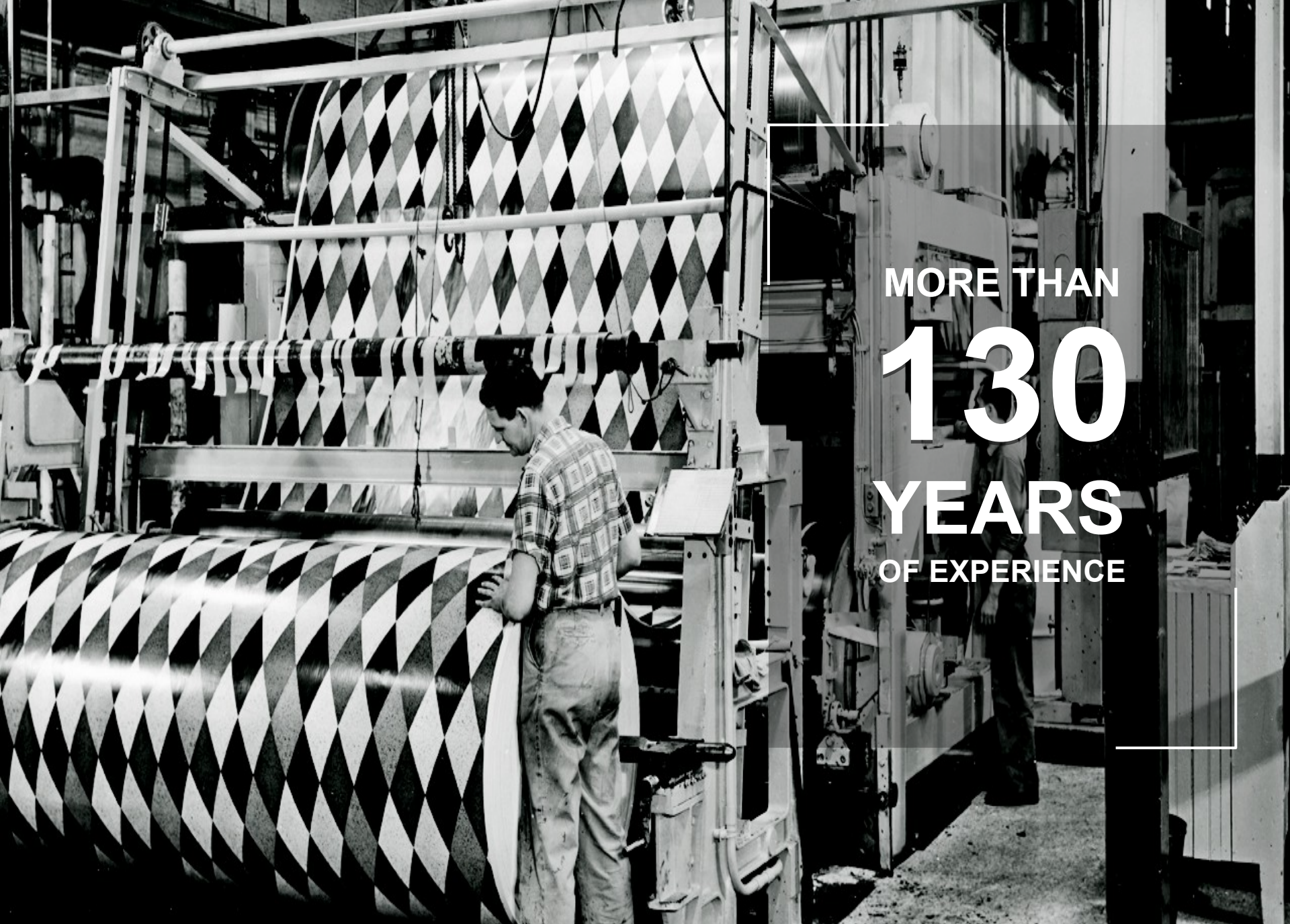
VINYL FLOOR

THICKNESS - STÄRKE: 1,5 MM  
SIZE - GRÖSSE: 25 X 25 CM

**Limhamns**  
PLASTINDUSTRI AB

MALMÖ  
SWEDEN





MORE THAN  
**130**  
YEARS  
OF EXPERIENCE

# Tarkett is a global leader in flooring and sports surfaces with a regional manufacturing footprint

Net sales:  
> €2.7bn  
Adj. EBITDA\*:  
€334m



**34**  
Industrial  
sites

**1.3m sqm**  
of flooring sold  
each day

- Plants
- Offices
- Design teams
- Distribution centers / Warehouses
- Headquarters



**12,500**  
employees

Sales  
in more than  
**100** countries

(1) Figures as of December 31, 2016.

(2) \*Adjusted EBITDA: adjustments include expenses related to restructurings, acquisitions, and certain other non-recurring items.



# Product

## Construction



PVC



Plasticizer



Mineral  
additives



Stabilizer



Pigments

### Main Raw Materials

- PVC: Polyvinylchloride polymer  
(crude oil=43%, natural salt= 57%)
- Plasticizer: Mostly DINCH made from  
crude oil
- Mineral additives: For example Calcium  
carbonate
- Stabilizers: CaZn soaps and epoxidised  
soya bean oil

# APA ITU PRODUK VINYL DAN BAGAIMANA SIFAT DAN KARAKTERISTIKNYA?

Vinyl adalah material penutup lantai lunak yang memiliki karakteristik lentur namun kuat.

Sifat dan Karakteristik Vinyl :

- Ringan
- Elastis ( Lentur)
- Mudah Menyerap Suara
- Tahan Guncangan Dan Gerakan
- Tahan Terhadap Cuaca
- Mudah Untuk Perawatannya
- Tahan Rayap dan Jamur
- Mudah Untuk Direnovasi Ulang
- Memiliki banyak corak
- Memiliki jenis roll dan tile

# KEUNGGULAN PRODUK VINYL

## 1. Anti Microbakterial

Yaitu mempunyai ketahanan dari bakteri, sehingga bakteri tidak akan bisa tumbuh di permukaan vinyl sehingga menghambat pertumbuhan bakteri dan kebutuhan ini biasanya digunakan di Rumah Sakit.

## 2. Anti Static

Yaitu melindungi suatu area agar terbebas dari adanya listrik statis, dengan demikian material yang berada di atasnya akan aman dari bahaya listrik statis.

## 3. Anti Chemical

Yaitu mempunyai ketahanan pada berbagai macam cairan – cairan kimia sehingga tidak mudah rusak apabila ketumpahan chemical karena pori – pori dalam vinyl sangat kecil. fungsi ini biasa digunakan dilaboratorium dan pabrik chemical atau ruang operasi.

## 4. Moving Load Resistant

Yaitu mempunyai ketahanan pada beban berat yang bergerak seperti lintasan forklift trolley dan juga mempunyai heavy resistance dan biasa digunakan di pabrik dan gudang.

## 5. Anti Slip

Yaitu mempunyai daya resistance yang tinggi dan mempunyai permukaan yang tidak licin sehingga tidak menimbulkan slip atau terpeleset biasa digunakan pada jalan yang miring atau tangga datar ( untuk kaum difable / keterbatasan Fisik dan Aktivitas ).

# JENIS – JENIS PRODUK VINYL

**JENIS HOMOGENEOUS** yang merupakan jenis vinyl yang lapisan atas sampai bawah mengandung material vinyl tanpa adanya campuran lain jadi sifatnya lebih keras dan lebih kuat, coraknya tidak terlalu vreatif dan bersifat natural, banyak digunakan di Rumah Sakit dan heavy traffic area, perkantoran atau perumahan, indoor sport, sekolah, mall, dapat disesuaikan dengan kebutuhan.

Jenis Homogeneous Berdasarkan Preference Backing Terdiri Dari :

- **HOMOGENEOUS COMPACT VINYL** : Merupakan jenis Vinyl yang tidak memiliki campuran apapun jadi pure unsur vinyl saja mulai layer atas sampai bawah dan bersifat padat sehingga fisik dari produk ini keras,
- **HOMOGENEOUS ACOUSTIC VINYL** : Merupakan jenis Vinyl yang memiliki foam dibagian layer bawah vinyl sebagai fungsi impact sound reduction (kedap suara), yang bermacam – macam ukurannya. Sehingga fisik dari jenis ini sedikit lebih lentur dikarenakan adanya lapisan foam dibawahnya.



# iQ ONE



iQ One - 21200 116 - 21200 555 - 21200 508



## Classic Colors



TECHNICAL DATA	STANDARDS	iQ One
<b>Classification</b>		
Type of floorcovering	EN 14565	Homogeneous floor covering based upon synthetic thermoplastic polymers
Classification	ISO 10874 commercial Industrial	Classic 24 43
<b>Characteristics</b>		
Total thickness	ISO 24346 (EN 428)	2.00mm
Wear layer thickness	ISO 24340 (EN 429)	2.00mm
Total weight	ISO 23987 (EN 420)	2 800g/m <sup>2</sup>
iQ PUR	-	Yes
<b>Technical performance</b>		
Impact sound reduction	EN ISO 717-2	-
Acoustic improvement	NI 521-2/4	-
Wet room approval	EN 12552 Annex A GBR approval system	Water tight Certified
Residual indentation	Best measured value	0.02mm
	ISO 24342-1 (EN 433) requirement	≤ 0.10mm
Reaction to fire	EN ISO 9239-1	≥ 8 kW/m <sup>2</sup>
	EN ISO 17893-1	Fl_s1
	EN ISO 15025-2	Pass
Dimensional stability	ISO 23989 (EN 434)	≤ 0.20%
Carbor wheel test	ISO 4918 (EN 425)	Settable
Flexibility	ISO 24344 - EN 426	Pass
Light fastness	EN ISO 105-002	≥ 5
Chemical resistance	ISO 25987 (EN 423)	Excellent
Fungal and bacteria resistance	ISO 846 Part C	Does not encourage growth
Slip resistance	DN 56120 EN 13893	R9 ≥ 0.3
Thermal endurance Underfloor heating	EN 12567 / DN 52512	Settable - max. 29 °C

The above information is subject to modifications for the benefit of further improvement (03/2020).  
For more detailed technical information, please contact Tarkett.

## iQ ONE Classic Colors

### Main Product Features

- New plasticizer based on renewable resources
- iQ Unique Surface Restoration system
- Extreme durability and outstanding flexibility
- Lowest life cycle cost on the market

### Surface Treatment



### Sustainability Tag



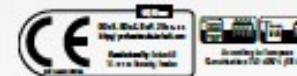
### Logistics Information



Laying direction:








### General Information



21200 240

# JENIS – JENIS VINYL HOMOGENUS



	<p>iQ PUR</p>	<p>iQ One iQ Natural iQ Megalit iQ Eminent iQ Granit iQ Optima</p>	
	<p>PUR Reinforced</p>	<p>Primo Premium Eclipse Premium</p>	
	<p>PUR Factory finish</p>	<p>Contract Plus Standard Plus Vylon Plus</p>	

# **What does Vinyl Requirement for Hospital ???**

- 1. Scratch Resistant**
- 2. Chemical Resistant**
- 3. Non Phorus**
- 4. Easy to clean**
- 5. Antistatic**
- 6. Bright color (LRV high value)**
- 7. Non toxic**
- 8. Non carcinogenic agent**
- 9. Fire resistant.**
- 10.TVOC low**
- 11. not supporting growth of bacteria**



## Product

### ■ *Definition*

The definition of a Homogeneous vinyl product is given in the ISO standard ISO 10581 (previously EN 649)

- > Homogeneous floor covering with one or more layers of the same composition and colour, patterned throughout it's thickness





**JENIS HETEROGENEOUS** yang merupakan jenis vinyl yang setiap lapisannya memiliki unsur yang berbeda dikarenakan memiliki campuran Poly Urethan Reimforce (PUR), selain itu jenis vinyl heterogeneous memiliki tingkat ketebalan yang berfungsi sebagai kekuatan vinyl itu sendiri, atau disebut dengan wear layer (tingkat ketebalan), semakin tinggi tingkat wear layer-nya maka akan semakin kuat, ukuran wearlayer mulai dari 0,1 mm – 1 mm, dan dapat disesuaikan dengan kebutuhan, corak design sangat beragam dan lebih variatif, dapat digunakan di heavy traffic area dengan kekuatan 0,7 mm PVC wear layer, juga bisa digunakan di perkantoran atau perumahan, indoor sport, sekolah, mall disesuaikan dengan kebutuhan.

**JENIS HETEROGENEOUS TERDIRI DARI :**

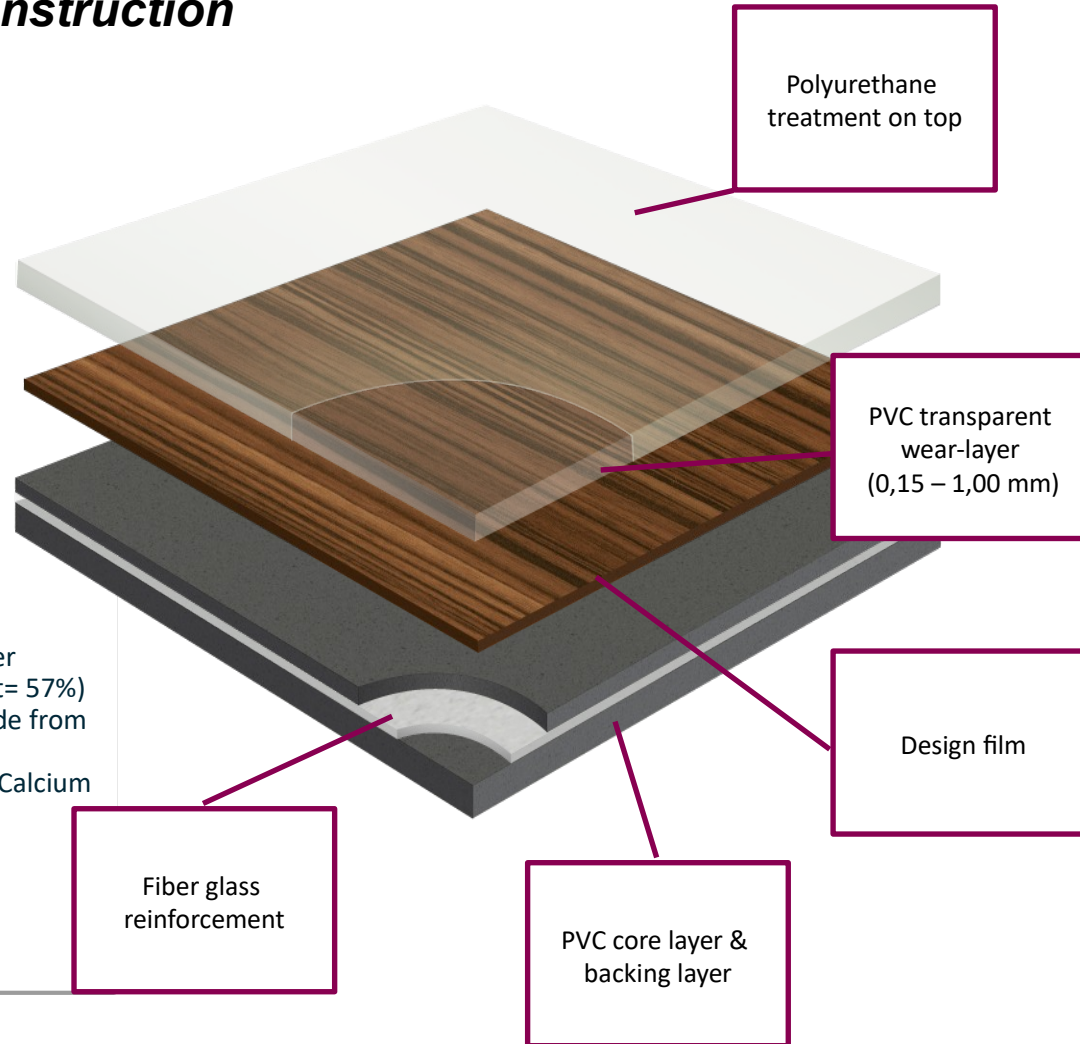
- **HETEROGENEOUS COMPACT VINYL** : Merupakan jenis vinyl yang memiliki beberapa layer yang mengandung beberapa unsur campuran PUR sifatnya lebih lentur dibandingkan homogeneous dan memiliki tingkat ketebalan / wear layer tertentu dan memiliki banyak motif.
- **HETEROGENEOUS ACOUSTIC VINYL** : Merupakan jenis vinyl yang memiliki foam akustik sebagai impact sound reduction (peredam suara), dan dari bentuk fisik produk lebih lentur dikarenakan ada lapisan akustik dibawahnya. Biasanya dipakai di studio musik atau bangunan bertingkat.





# Product

## Construction



### Main Raw Materials

- **PVC:** Polyvinylchloride polymer (crude oil =43%, natural salt= 57%)
- **Plasticizer:** Mostly DINCH made from crude oil
- **Fillers:** Minerals, for example Calcium carbonate
- **Stabilizers**
- **Glass fiber**

# A large expertise in many segments



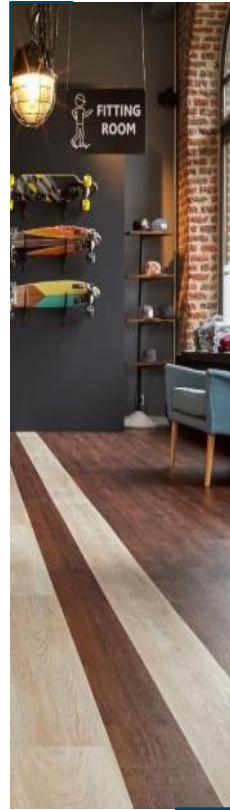
HOME



HEALTHCARE  
& AGED CARE



EDUCATION



STORES & SHOPS,  
HOSPITALITY  
& LEISURE



WORKPLACE



SPORTS  
& WELLNESS



& TRANSPORT /  
INDUSTRY

# SERTIFIKAT VINYL TARKETT



The Singapore Green Labelling Scheme hereby certifies

## Tarkett Asia Pacific Ltd

for

TARKETT - HOMOGENEOUS & HETEROGENEOUS VINYL

032 - 096-0809

"Environmentally Preferred Coating"

Date of Expiry: 10 June 2013

JOSE RAYMOND  
Executive Director  
Singapore Environment Council



Use iGepir app on smartphone  
to authenticate the certificate



BRE Certification Ltd

CERTIFICATE

This is to certify

**Tarkett**

372 81, Ronneby, Sweden

has complied with the requirements identified in the

**Scheme Document SD 028**

and is authorised to use the BRE Certification Mark on publications  
related to the Environmental Profiles of the following products;

**Tarkett Homogeneous Vinyl Flooring**

Incorporating Eminent, Granit, Optima, Megalit, Gemstone, Toro EL,  
Granit Multisafe, Eminent Safe T

See appendices a - b for further details

Certificate No. ENP 290

Issue 2

Valid from 24 May 2007

Signed on behalf of BRE Certification

Chris Beedel



BRE Certification Ltd., Garston, Watford WD25 8XX. Tel 01923 664100 Fax 01923 664003 www.brecertification.co.uk

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force through annual review and verification.

To check the authenticity of this certificate, please visit our website or contact us





# DET NORSKE VERITAS MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 2000-SKM-AQ-886 / 2000-SKM-AE-255

*This is to certify that*

## Tarkett AB

at

RONNEBY, SWEDEN

*has been found to conform to the Management System Standards:*

**ISO 9001:2008, ISO 14001:2004**

*This Certificate is valid for:*

**Development, production and distribution of resilient flooring and occupational health**

*Initial Certification date:*

1993-04-05 (Q)

1998-04-30 (E)

*This Certificate is valid until:*

2012-06-30

*The audit has been performed*

*under the supervision of:*

Tommy Aspeqvist

Lead Auditor



*Place and date:*

Stockholm, 2009-06-23

*for the Accredited Unit:*

DNV CERTIFICATION AB,  
SWEDEN

Ann-Louise Pätt  
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VERITAS, BOX 4046, 171 08 SOLNA, SWEDEN. TEL: +46 8 587 94000 FAX: +46 8 651 70 45

## Sustainability & Environment



The five cornerstones

Intelligent Flooring Solutions

### International Eco Labels

- International standards for environmental management
- Number of ambitious certifications.
- Examples of eco-labels representing standards and certifications held by some of Tarkett products:





## EC DECLARATION OF CONFORMITY

### Issued in accordance with the Marine Equipment Directive (MED)

This is to certify that in compliance with the Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate

Tarkett AB  
SE-372 81 Ronneby  
Sweden

declares that the product(s) detailed below conform(s) to type as required by the above Directives as evidenced by the conformity Route below:

**EC Type Examination (Module B)**  
Certificate No. MED-B-6576 issued by the Notified Body No. 0575

#### PLUS

**EC (Module D)**  
Certificate of Conformity No. MED-D-1441 issued by the Notified Body No. 0575

#### MED Annex A.1

Item No: 3.18c Surface Material and floorcoverings with low flame spread characteristics  
Item Designation: Floorcoverings

#### Manufacturer's Product:

Description: IQ Granit  
When installed with Balls F45. Any other adhesive has to be approved for low flame spread characteristics and low emission of smoke and toxic gases according to the Marine Equipment Directive.

#### Standards Applicable:

International Maritime Organisation Resolution A.653(16)  
International Maritime Organisation MSC.6(67) Annex 1, Parts 2 and 5 and Annex 2  
ISO1716

#### Signature:



#### Name:

Magnus Hansen

#### Position:

Quality Manager

#### Date:

2013-08-02

DNV GL

Certificate No:  
**MED-B-9160**  
Item No:  
**A1/3.18c**  
Job Id:  
**344.1-004388-1**

## EC TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2012/32/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL under the authority of the Government of the Kingdom of Norway.

### This is to certify:

**That the Surface materials and floor coverings with low flame-spread characteristics: floor coverings**

with type designation(s)  
**IQ Granit**

Issued to  
**Tarkett AB**  
**RONNEBY, Sweden**

is found to comply with the requirements in the following Regulations/Standards:  
**Annex A.1, item No. A.1/3.18c and Annex B, Module B in the Directive. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO FTP Code**

Further details of the equipment and conditions for certification are given overleaf.

Holvik, 2014-06-25  
for DNV GL AS



This Certificate is valid until  
**2019-06-25**

**Marianne Strand Valderhaug**  
Head of Department

Notified Body No.: **0575**

DNV GL local office:  
**Malmö**

**Martin Gjelstad**  
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 86/675/EEC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

# CARA UNTUK MENGECEK JENIS PRODUK VINYL HETEROGENUS

1. Cek ketebalan (Ware layer)
2. Material ware layer PUR (Pure Urethan Reinforce)
3. Kemurnian wearlayer (Abrasive Resistance) yang memiliki beberapa type :

TYPE		
T	75 - 100%	I
P	50 - 75%	II
M	25 - 50%	
F	<25%	III

**Komponen yang menentukan harga adalah :**

- Wear layer (ketebalan kekuatan)
- Acoustik atau tidak
- Warranty

4. Modul (Roll / Modular)
5. Preference Backing :
  - Jenis Compact teksturnya lebih keras
  - Jenis Acoustic , untuk ukuran type acoustic biasanya lebih tebal > 2,5 mm dan dengan ukuran 10 – 25 db tapi biasanya yang sering dipakai sekitar ukuran 15 – 19 db dan teksturnya lebih lentur dikarenakan adanya penambahan puff dari acoustic.
6. Special properties : Antibacterial, anti slip, wet floor
7. Design (jadi penentuan design bukan diawal namun diakhir setelah melihat spesifikasi dari vinyl yang sudah disesuaikan dengan kebutuhan.



## **Sebelum dipasang / instal ada hal yang harus diperhatikan adalah sebagai berikut :**

- Kondisi Lantai harus padat, kuat, dan harus diperhatikan mengenai kelembaban dan kerataannya,
- Kondisi plafond harus sudah terpasang
- Kondisi dinding acian dan pengecatan sudah harus selesai
- Keamanan lokasi harus dapat diperhatikan, lokasi yang akan dipasang harus dapat dikunci, dan untuk keamanan lebih baik dapat dipasang partisi
- Akses masuk barang
- Kondisi penerangan harus sudah ada dan adanya sumber air yang dibutuhkan untuk pemasangan leveling

# RS. CAROLUS SALEMBA – JAKARTA



**RUANGAN  
THERAPY**



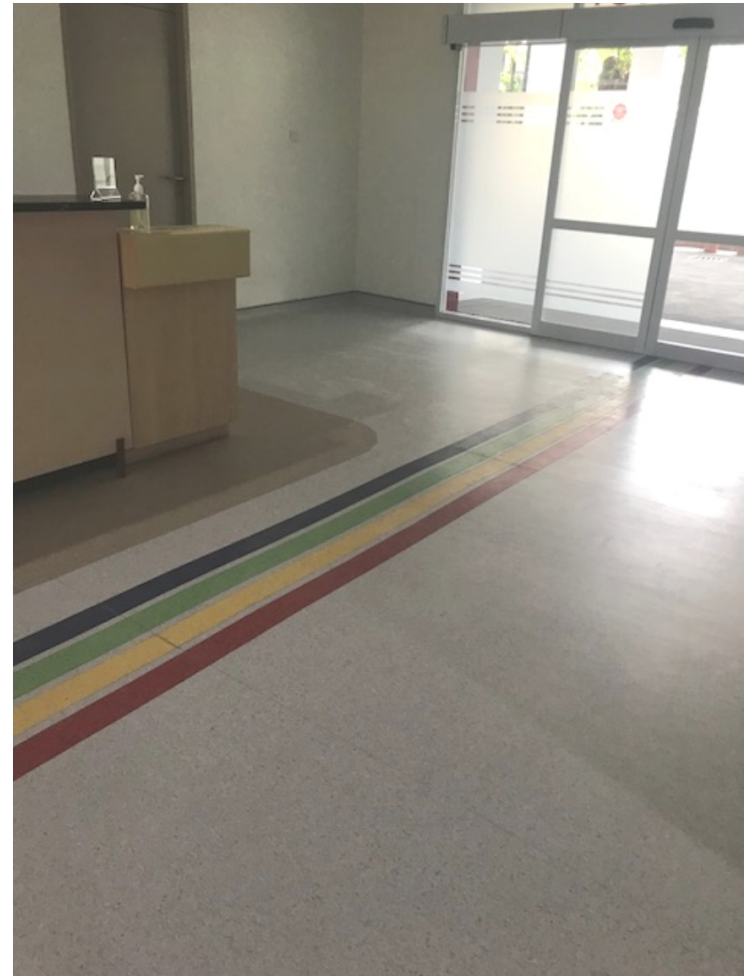


# RUANGAN POLY ANAK

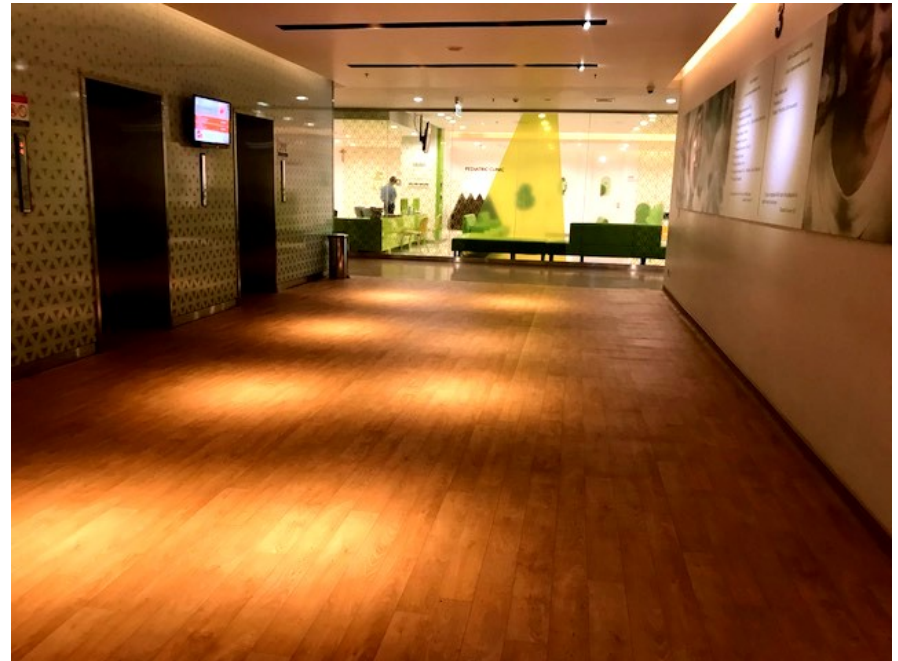




# RUANGAN UGD



# RUANGAN POLY KEBIDANAN (OBGYN)





# RUANGAN POLY KEBIDANAN (OBGYN)







THANK YOU