

SUBZERO

01

SUBZERO SANDWICH PANEL



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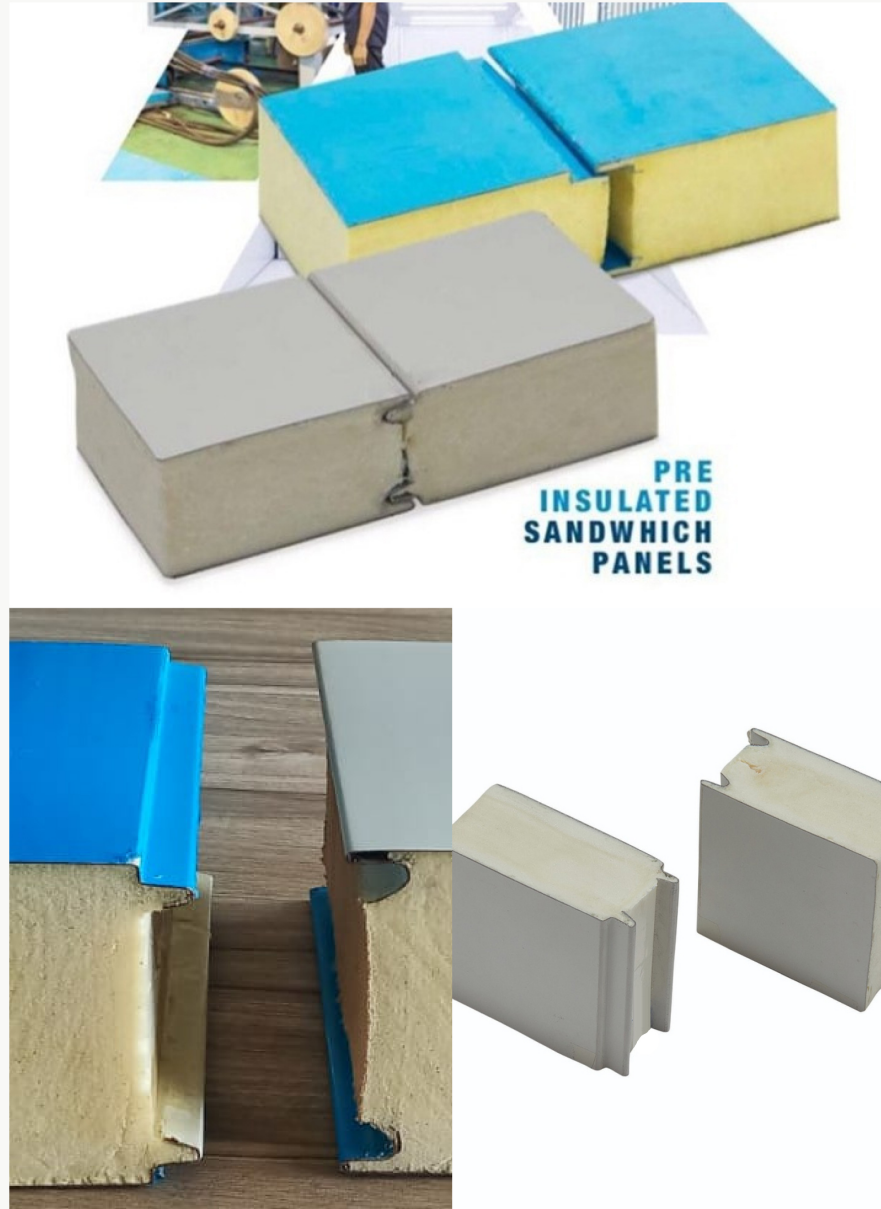
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SUBZERO

ALTERNATIF MATERI PENGANTI

Alternatif materi pengganti dari batu bata, semen dan bahan bangunan lainnya

BENTUKNYA SEPERTI SANDWICH

PENGAPLIKASIAN SUBZERO

Rumah sakit, coldstorage, farmasi, cleanroom, warehouse dan proyek lainnya



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SPEKIFIKASI PRODUK

Core material : PIR
(polyisocyanurate)

Density : 42-45 kg/m³

Thermal Conductivity : 0,0197
W/m.K

Flame Retardant : Class 0

Working Temperature : - 40 s/d
+60 derajat celcius

Thickness : 50/75/100/125/150
mm



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SPEKIFIKASI PRODUK

Steel Skin : Bluescope - Kirana

Base Metal Thickness (BMT) :

0,45 mikron

Total Coating Thickness (TCT) :

0,5 mikron

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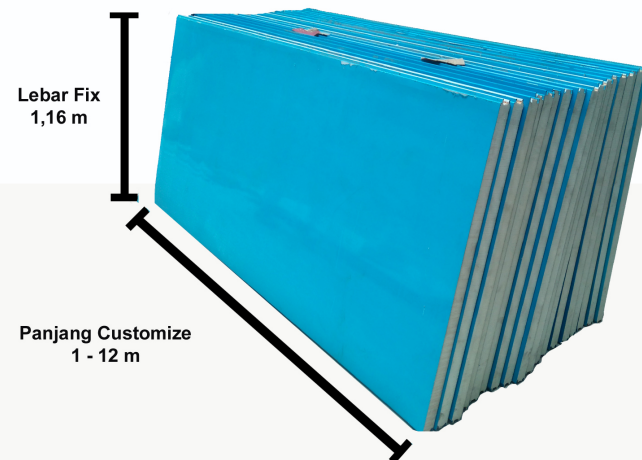
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SPEKIFIKASI PRODUK

Core material : PIR
(polyisocyanurate)

Slip Joint System

Panjang Panel : Custom (max 12m)

Lebar Panel : 1.16m (efektif)

KEUNGGULAN SUBZERO

PRODUK DAN PABRIK LOKAL

Lokasi pabrik di Tangerang (Dadap)

CONTINUOUS LINE PRODUCTION

Teknologi mesin yang memproduksi 2m/menit

SHORT LEAD TIME MANUFACTURING

Waktu produksi yang singkat



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KEUNGGULAN SUBZERO

TERSERTIFIKASI ISO 9001 DAN 14001

ISO 9001 : Sertifikasi Kualitas Mutu

ISO 14001 : Sertifikasi Sistem Manajemen Lingkungan

TIM PEMASANGAN YANG AHLI

Tim pemasangan yang ahli

HARGA KOMPETITIF

Harga yang bersaing dengan kompetitor lainnya



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ALASAN MEMILIH PRODUK SUBZERO?



FIRE
RETARDANT



NOISE
REDUCTION



TENSILE
STRENGTH



WATER
RESISTANCE



THERMAL
CONDUCTIVITY



GREEN
PRODUCT

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ALASAN MEMILIH PRODUK SUBZERO?

CUSTOMIZE

MODULAR (dapat disesuaikan dengan kondisi lingkungan)

FLEXIBLE
(bersifat durability tahan terhadap gempa)

RINGAN

HANDLING
(transportasi mudah)

MUDAH UNTUK DILAKUKAN PEMASANGAN DAN PEMBONGKARAN

COST SAVING

TEMPERATURE AND HUMIDITY CONTROL

Sertifikat Subzero

10

Certificate No. 35007/DBBPAK
Date: November 20, 2017

SUCOFINDO
Issuing Office
Jl. Ankeri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia
Phone/Fax: +62 21 88321170/88321166
Email: jum.dbs@sucofindo.co.id

REPORT OF TESTING

The sample was submitted by client with the following identification:

CLIENT : MDV INDONESIA, PT.
ADDRESS : PERGUDANGAN BANDARA PERMAI BLOK E/14
RT. 000 RW. 000, BENI BENDA- BENDA, TANGERANG

NAME OF SAMPLE : PANEL

MANUFACTURER : MDV INDONESIA, PT.

TEST REQUIRED :
- Test Deflection Load
- Load test of the thickness
- Melting point core panel
- Permeabilitas core panel
- Test sound reduction
- Corrosive

TEST METHOD : ASTM E72, ASTM C20, ASTM C423, ASTM B117

RECEIVING DATE : October 26, 2017

TESTING DATE : November 4-14, 2017

RESULT : See attached sheet

The Attachment available is an integral part of this certificate.

This test result (s) related to the sample (s) submitted only and the report / certificate cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory.
This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

CBT200252417-000

SBU Laboratory
Fitri Mulyandary

Sertifikat Sucofindo

Thermal conductivity, Load test of thickness, Test sound reduction, Corrosive, Test Deflection Load, Meeting point core panel,

Akzo Nobel Pty Limited
Metal Coatings
Unit 5, 6 & 7
51 Winkley Road
P.O. Box 26
Dandenong South
Victoria 3109
Australia
T + (61) 813 4555
F + (61) 813 1035
www.akzonobel.com

AkzoNobel

06th May 2019

PT NS BlueScope Steel Indonesia
Kawasan Industri KIEC,
Jl Asia Raya Kav.02
Cilegon 42443
INDONESIA

Attention : Mr. Asep Rohaendy

Dear Sir,

RE: USDA APPROVABLE COATINGS

Akzo Nobel is pleased to confirm that the following products are self-certified by Akzo Nobel Coatings Inc. as USDA "Approvable" and is considered safe for the intended application and are sold in compliance with USDA laws and regulations:

- **FX1500 PUTIH GERANIUM (Product Code: 4215-4M143)**

Akzo Nobel certifies that the above product is chemically acceptable as a coating for application to structural surfaces or surfaces where there is a possibility of incidental contact with meat or poultry food product prepared under Federal inspection. Since the product is suitable for incidental food contact, it will not result in adulteration of food products if used as intended and applied as indicated on the Akzo Nobel Product Data sheets.

This coating is not, of course, authorized for use on any surface where there is direct or prolonged contact with food.

You should know that this product meets the following USDA criteria:

A.) Is Light in colour and will not obscure detection of debris or unsanitary conditions (dark colors for floor uses only);

B.) Is not known to contain any antimony, arsenic, cadmium, lead, mercury, selenium, or other materials such as carcinogens, mutagens or teratogens classified as hazardous substances, heavy metals, or other toxic substances in quantities that present a health or safety issue as defined by 29 CFR 1910.1200 et seq.;

C.) Is not regulated by FIFRA (is not considered a pesticide nor does it have pesticidal characteristics); and

Sertifikat Akzonobel

Sertifikat tentang coating anti bacterial

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Sertifikat Subzero



Sertifikat Damkar

Tahan uji bakar selama 2 jam sesuai dengan peraturan kementerian kesehatan tahun 2016 tentang prosedur pembangunan rumah sakit



Sertifikat merek dari Republik Indonesia

Subzero sudah terdaftar di Kementerian Hukum dan Perlindungan Asasi Manusia

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Our Project References

**RS AWAL BROS,
HERMINA, GATOT
SOEBROTO, PACITAN,
OMNI, BOROMEUS, DLL**

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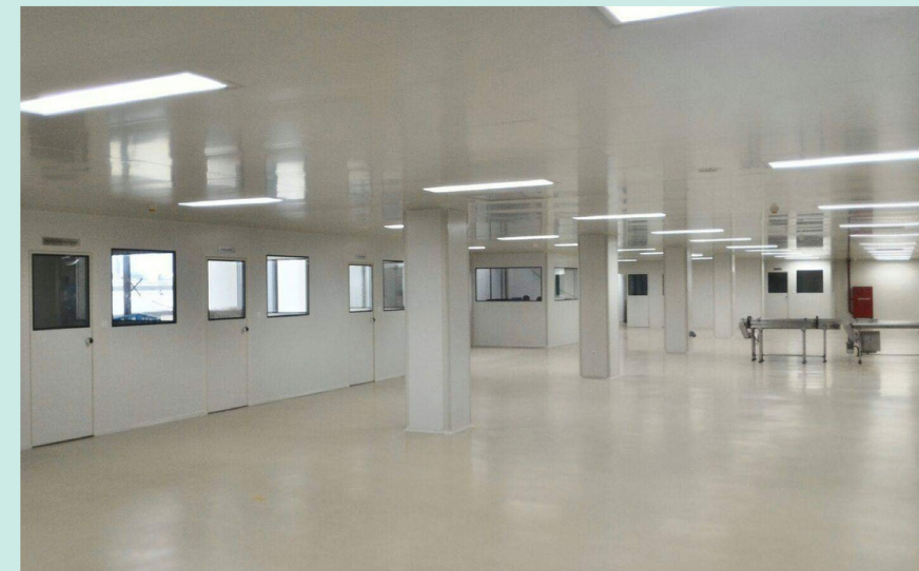


Our Project References

CLEAN ROOM

Pelita Baru Farmasi,
Jakarta

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Our Project References

CLEAN ROOM

Pacific Logistik Bekasi,
Pulogadung, Jakarta

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Our Project References

CLEAN ROOM

PT Agel Langgeng, Bekasi

PT Essilor, Karawang

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Our Project References

COLD STORAGE

CARGO IMPOR EKSPOR
BANDARA SOETTA

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Our Project References

COLD STORAGE

YOGURT YOVORIA -
MUARA ANGKE
JAKARTA

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Aluminium Extrusion & Instalasi

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