



PT. Thermo Tech Solutions

COMPANY PROFILE



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PT. Thermo Tech Solutions
member of TOILON

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Application for Sport & Leisure

- Swim Board • Gymnasium & Camping Mat
- Bag Protector • Life Jacket • Helmet
- Knapsack • Insoles, Ski Boots, etc.



Application for Packaging

- Packaging for polywood
- Protection cover for household electric appliance head liner
- Protection case for lighter, watch and fountain pen
- Protection material for glasses and foods
- Cushioning materials for transportation & medical appliance
- Corner pad, etc.



Application for Industrial

- Insulation for refrigerator and air-conditioner
- Various kinds of insulation tubes
- Thermal insulation for bathtub
- Anti-dew materials for sink
- Cushioning materials
- Various kinds of gaskets
- Thermal insulation for energy saving equipments
- Duct cover, wall partition strip, etc.



Others Application

- Excellent chemical resistance, no harm, non-toxic
- Easy processing



Application for Sundary Goods

- Toys • Wall Paper • Sandals • Toilet Seat Cover
- Supporter • Sun Caps



Application for Automotive

- Door trim • Head Liner • Instrument panel
- Mat and roofing layer • Sun-visor • Gaskets etc.



Application for Construction

- The bottom layer of carpet and flooring • Fillers and other
- Fillers and other • Waterproof Layer • Sound Absorber

01. Application for Construction

TOILON foam with its superb water, thermal & chemical resistant characteristics is perfect for insulating in high / low temperature tanks, air-conditioning units, and fan coils Insulation for construction & home appliances. Products related to construction & building field are : Pipe Insulation, Duct Insulation, Impact Sound Insulation, Sound Absorption & Insulation, Corrugated Steel Sheet Insulation.

02. Application for Industrial

TOILON foams exhibits excellent insulating qualities, sound absorption, and excellent resistance to chemicals and the weather. It is suitable for insulation and sound absorption materials in a host of containment designs.

03. Application for Automotive

Today highly competitive automotive industries understand the requirements for innovative design materials, light-weight, moisture and temperature resistant. TOILON foams is ideal for the ground, Marine and Air Transport Industries.

04. Application for Packaging

TOILON foams is lightweight and excellent absorption materials for protecting product from vibration, shock and electric static. TOILON Foams can be die cut and easily pressed or vacuum formed into simple or complex shapes.

05. Application for Sundry Goods

TOILON offers lightweight and resilient foams, exhibit extremely low water absorption and excellent cushioning.

06. Application for Sport & Leisure

TOILON foams is perfect for all types of recreational products. On the water their buoyancy keep all kinds of ideas afloat. Or in the mountains, for hiker who need a light weight camp mat to keep them dry, warm and protect them from sticks and stones on the ground. Excellent cushioning and compressive strengths also mark our foams the top choice for insoles, exercise, mats, sports padding and wide variety of soft toys.

07. Application Others

Everyday, design engineers in expanded and newly emerged industries are discovering new ways by TOILON foams to be used. TOILON foams used in backpack pas, luggage and similar application are beneficial from the wide array of beautiful colors and varying densities. Excellent workability marks our foams the right choice for many upscale items, advertising specialize, slipper, sun caps, seat cushion, outdoor leisure & sport items etc.



Mr. Je Hwan Young
President Director
PT. Thermo Tech Solutions

GREETINGS FROM CEO

Welcome to Greener Tomorrow with PT. THERMO TECH SOLUTIONS !

Discover how our Foam Insulations can help you save on cooling costs and energy consumption. Join us in the pursuit of energy efficient living with our high-quality foam insulations.

We are dedicated to being the market leader in supplying the best products at competitive prices. Our foam insulation is your gateway to a more comfortable home and workplace.

Thank you for considering **PT. THERMO TECH SOLUTIONS** as your partner in progress. We look forward to the opportunity to work with you and contribute to your success.

Together, Let's build a brighter tomorrow.



PT. Thermo Tech Solutions

member of TOILON

PT. Thermo Tech Solutions is a subsidiary of Toilon Group which was established **since 12 August 2020** and **Toilon Group** has been established **since 12 October 2001**. PT. Thermo Tech Solutions officially operated in 2020 to become a market leader in the local Indonesian market.

Toilon® Group is the **First & Biggest CrossLinked Technology in Indonesia**. Offering the best quality CrossLinked Foam Insulation to the Local Market together with PT. Thermo Tech Solutions.

With more than 20 years of experience, Toilon Indonesia produces Toilon® foam revolutionizes insulation products that use foil layers. Toilon® allows for a much faster and more efficient installation than when using older insulation technology.

PT. Thermo Tech Solutions	
Factory (Holding Toilon)	: 10.000 m ²
Office Building	: 6.000 m ²
Total Employee (group)	: 100 + employees & 4 Korean experts
Capacity	: 1000 - 2000 ton / month
Electron Beam Accelerator	: 1 Line (1 MeV, 100mA)
Mixing Compound MC	: 1 Set
Extruder	: 5 Line
Horizontal Foaming Oven	: 4 Line
Automatic Laminating Machine	: 5 Set
Two Channel Tubing Machine	: 2 Set
Thompson Cutting Machine	: 1 Set (210M / hour)
Skiving Machine	: 1 Set

Factory - Toilon Thermotech



Building & Constructions Safety Regulation & Standard International

Toilon[®] is a product manufactured from polyolefin which is very suitable for insulation used in HVAC & Duct, Roof, Wall, Cladding, Pipe, Raised Floor & Underlayer which provides excellent performance.

Toilon[®] products are guaranteed up to 20 Years certified warranty so that Toilon[®] products are extremely durable and long lasting. Our commitment to maintaining quality and it is proven by conducting ISO 9001.

Toilon[®] product certified with FR Rating Class O (EXOVA & TUV), and ASTM E84-24 with Flame Spread index = 0 & Smoked Development Index = 50, with Compliance of Certificate from UL94, etc. All Certificate recommended for safety building materials.

Toilon[®] crosslinked foam closed cell technology is a product with high innovation with two type Crosslinked Product :

- IXPE - Physically Crosslinked Foam Closed Cell**, produces with electron beam machine for Crosslinking Polymer Progress.
- XLPE - Chemically CrossLinked Foam Closed Cell**, with chemically mixing machine for Crosslinking polymer progress.

Third Party Certification & Testing

To maintain the quality of products that are produced in house from our factory, we carry out certification testing periodically through a credible and internationally recognized institution :

- ✔ American Standard Testing and Material (ASTM) - USA
- ✔ British Standards (BS) - United Kingdom
- ✔ EXOVA Warrington Fire Tested - United Kingdom
- ✔ Intertek Testing Services - United Kingdom
- ✔ Australian Wool Testing Authority - Australia
- ✔ Underwriters Laboratories - USA (UL 94)
- ✔ Technischer Überwachungs Verein - Germany (TUV - PSB Singapore)
- ✔ Societe Generale de Surveillance - Switzerland (SGS - Korea)
- ✔ Korea Laboratory Accreditation Scheme (KOLAS) - Korea
- ✔ International Laboratory Accreditation Cooperation (ILAC - MRA)
- ✔ Tingkat Komponen Dalam Negeri (TKDN) - Indonesia
- ✔ Kementerian Perindustrian - Indonesia
- ✔ International Organization for Standardization (ISO) - United Kingdom
- ✔ MSA Certification - SNI ISO 9001:2015 - Indonesia
- ✔ MSA Certification - SNI ISO 14001:2015 - Indonesia



TOILONTHERMOTEC[®]
Save Energy & Cooling Cost



Proven Reliability & Experience Since 2001 (special quality material control)

Thermotech insulation technology has been experienced in foam insulation field in Indonesia since 2001 with knowledgeable staff and professional research so that the products are produced by the toilon factory have been exported to various countries UAE, Qatar, Australia, Philippines, Malaysia etc. Therefore, we are here in Indonesia to meet all your insulation needs with our best and we have been supplying the local market through several local partner brands.

Technically Superior

Our distinctive crosslinked technology produces a smaller and more evenly fine cell structure. Thermal conductivity and vapour permeability, which are the key factors in insulation performance, are directly affected by the cell structure.

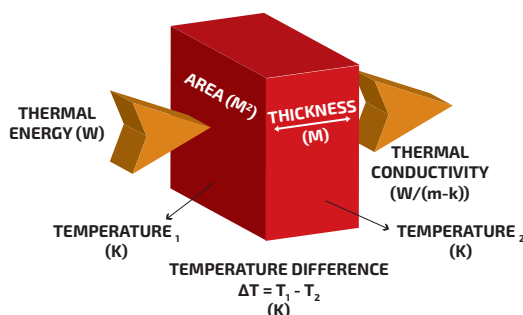
Thermal Conductivity (ASTM C-518)

0.0316 W/m.K

0.0272 (Kcal/mhK)

Mean Temp : 23°C

It is the lowest amount of any flexible insulation material.



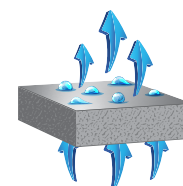
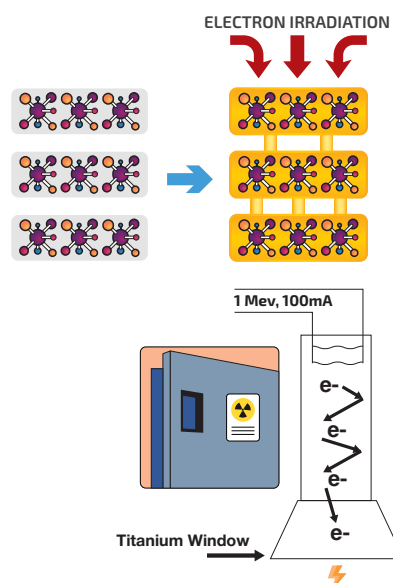
Almost Zero Vapour Permeability

Permeability This property guarantees that the thermal conductivity stays relatively constant for up to 20 years which will give a significant contribution to building sustainability and lowering energy cost.

Irradiation Technology

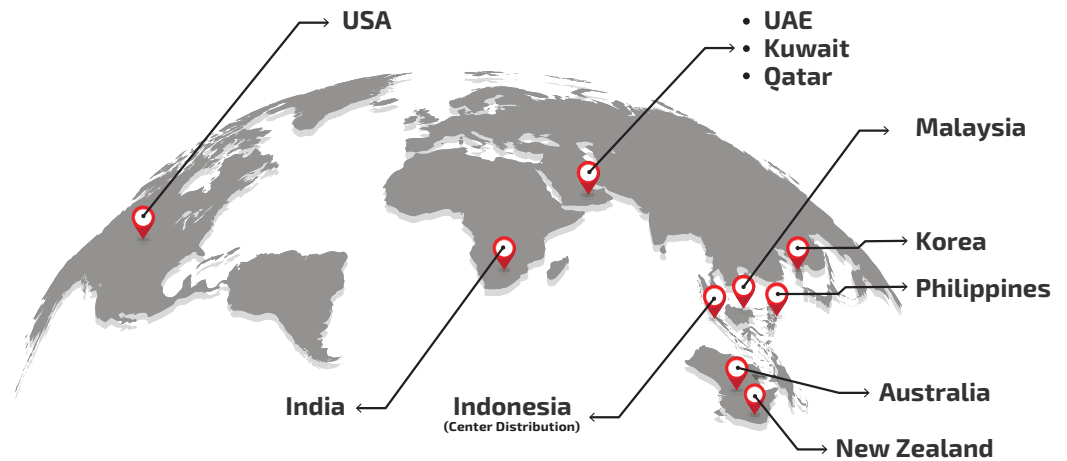
Physically Crosslinked technology :

- Small cell size > lowest thermal conductivity than any other flexible insulation
- Extremely high vapour permeability resistance



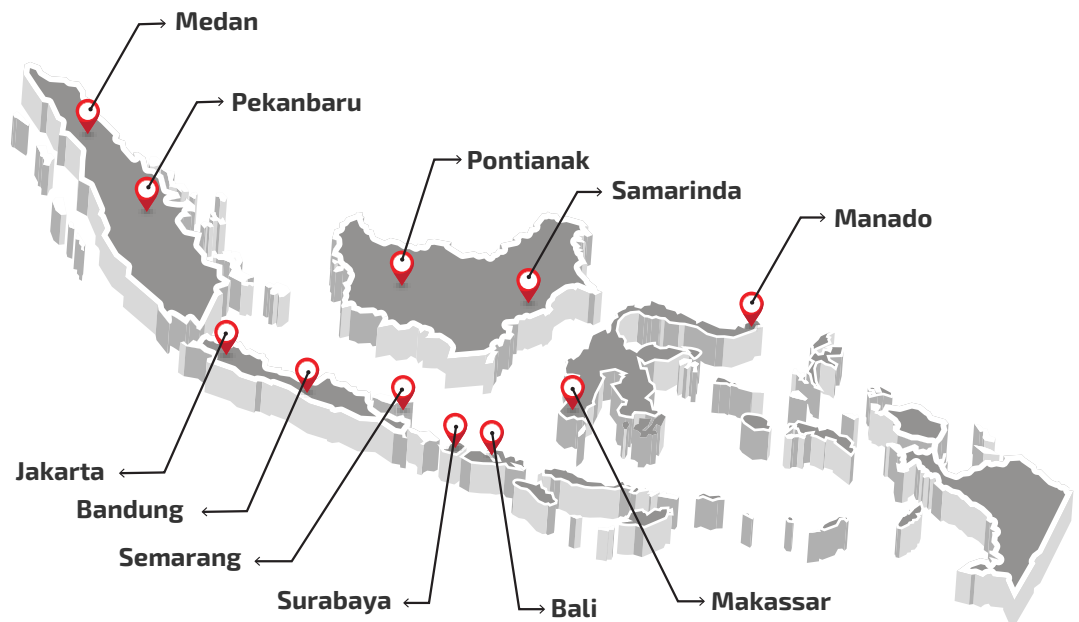
TOILONTHERMOTEC[®]
Save Energy & Cooling Cost

CROSSLINKED TECHNOLOGY MORE 20 YEARS



* Our Export Network Distribution

* Our Local Network Distribution



BUSINESS TIMELINE

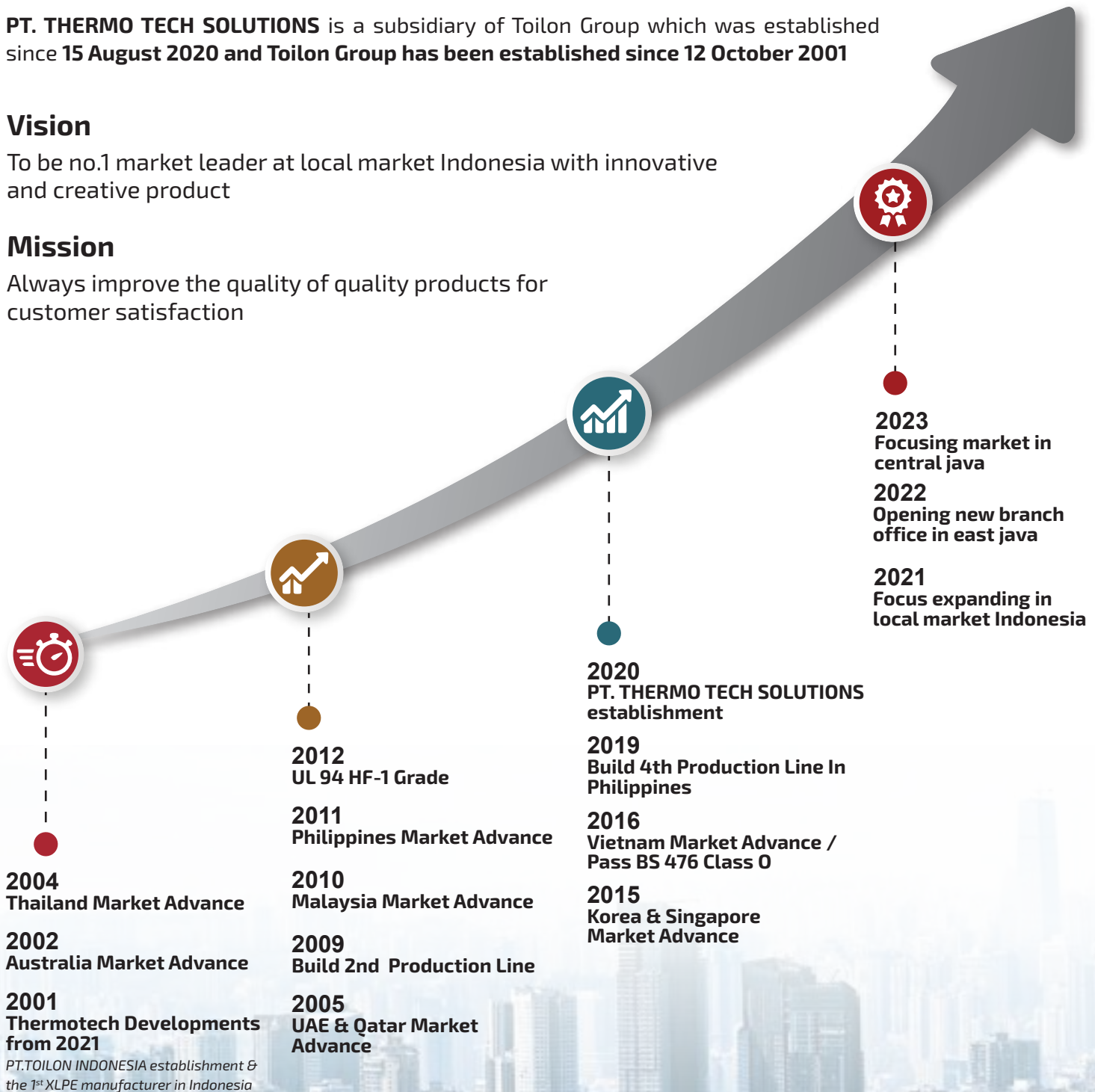
PT. THERMO TECH SOLUTIONS is a subsidiary of Toilon Group which was established since **15 August 2020** and **Toilon Group** has been established since **12 October 2001**

Vision

To be no.1 market leader at local market Indonesia with innovative and creative product

Mission

Always improve the quality of quality products for customer satisfaction



IXPE
PHYSICALLY CROSSLINKED
CLOSED CELL FOAM FR CLASS O

FLOW PRODUCTION



XLPE
CHEMICALLY CROSSLINKED
CLOSED CELL FOAM FR CLASS O



IXPE

PHYSICALLY CROSSLINKED CLOSED CELL FOAM FR CLASS O

- ✓ Physically / Irradiation CrossLinked Technology
- ✓ PREMIUM & Stability Thermal Foam Insulation
- ✓ The highest Fire Rating Class O
- ✓ Strong & Smooth Surface with Smallest Fine Closed Cell
- ✓ Extremely High Vapour Permeability Resistance
- ✓ Water Resistance Protect
- ✓ Lifetime More Than 18 Years** (T&C Applied)



XLPE

CHEMICALLY CROSSLINKED CLOSED CELL FOAM FR CLASS O

- Chemically CrossLinked Technology ✓
- Thermal Foam Insulation ✓
- The highest Fire Rating Class O ✓
- Strong & Great Surface with Fine Closed Cell ✓
- High Vapour Permeability Resistance ✓
- Water Resistance Protect ✓
- Lifetime More Than 15 Years** (T&C Applied) ✓



Type Premium UV Alum

A. Premium Protection for Indoor & Outdoor (Premium UV)

- ✓ Total Alum Thickness Material : 70 ~ 80 micron
- ✓ Radiant Reflectivity up to 95.7 %
- ✓ Emissivity : 0.13 (Low Re-radiation)
- ✓ Strong with Anti Tear Aluminum
- ✓ Anti Corrosion & Anti UV Protection Aluminum



Type Eco Alum

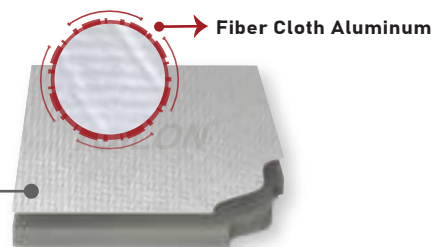
B. General Protection for Indoor (Eco)

- ✓ Total Alum Thickness Material : 50 ~ 60 micron
- ✓ Radiant Reflectivity up to 85 %
- ✓ Emissivity : 0.06 (Low Re-radiation)
- ✓ Strong with Anti Tear Aluminum

Type Fiber Cloth Alum

C. Fiber Cloth Aluminum Protection for Indoor & Outdoor (FIBER CLOTH)

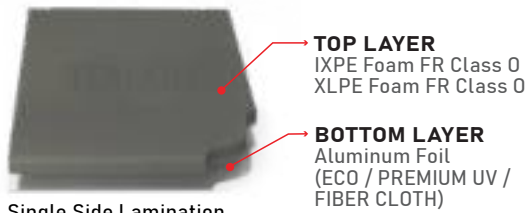
- ✓ Total Thickness Material : 70 - 80 micron
- ✓ Radiant Reflectivity Up To : 83.2 %
- ✓ Emissivity : 0.06 (Low Re-Radiation)
- ✓ Fire Blanket with Anti Corrosion & Anti Tear by Fiber Cloth Aluminum



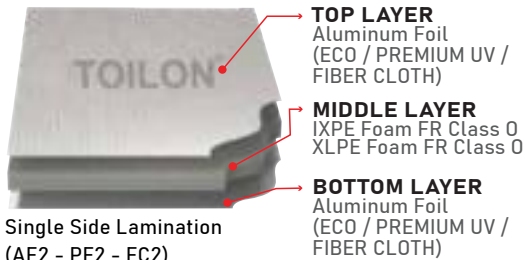
Roof & Cladding Insulation

MATERIAL LAYER

Physically & Chemically CrossLinked Foam



Single Side Lamination
(AF1 - PF1 - FC1)

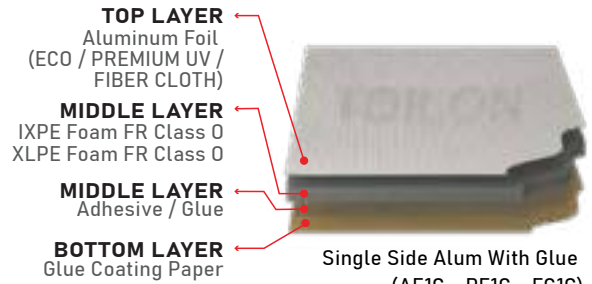


Single Side Lamination
(AF2 - PF2 - FC2)

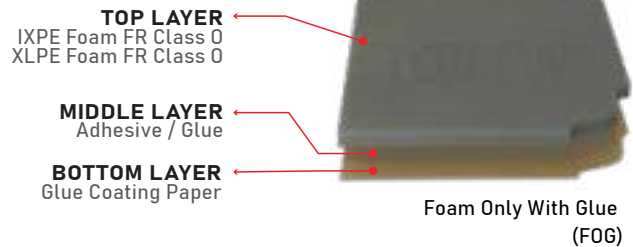
HVAC & Duct Insulation

MATERIAL LAYER

Physically & Chemically CrossLinked Foam



Single Side Alum With Glue
(AF1G - PF1G - FC1G)



Foam Only With Glue
(F0G)

Pipe Insulation (Precut Type)

MATERIAL LAYER

Physically & Chemically CrossLinked Foam

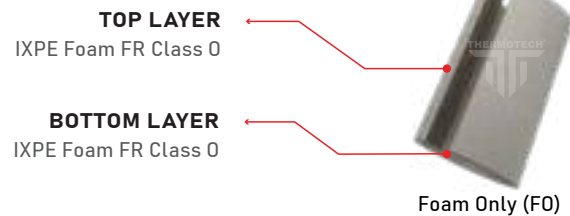


Single Side Lamination
(AF1 - PF1)

Pipe Insulation (Precut Type)

MATERIAL LAYER

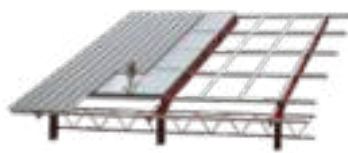
Physically & Chemically CrossLinked Foam



Foam Only (F0)



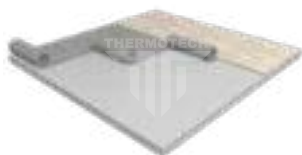
✓ HVAC & Duct Insulation



✓ Roof Insulation



✓ Raised Floor Insulation



✓ Underlayer Insulation



✓ Pipe Insulation



✓ Wall Insulation

Excellent sound absorption in all kind of duct liner insulation, Low thickness, lightweight and durable resistant, Superior resistance to fungi and low voc for air quality, Completely user friendly, easy and quick Installation, Self adhesive backing.

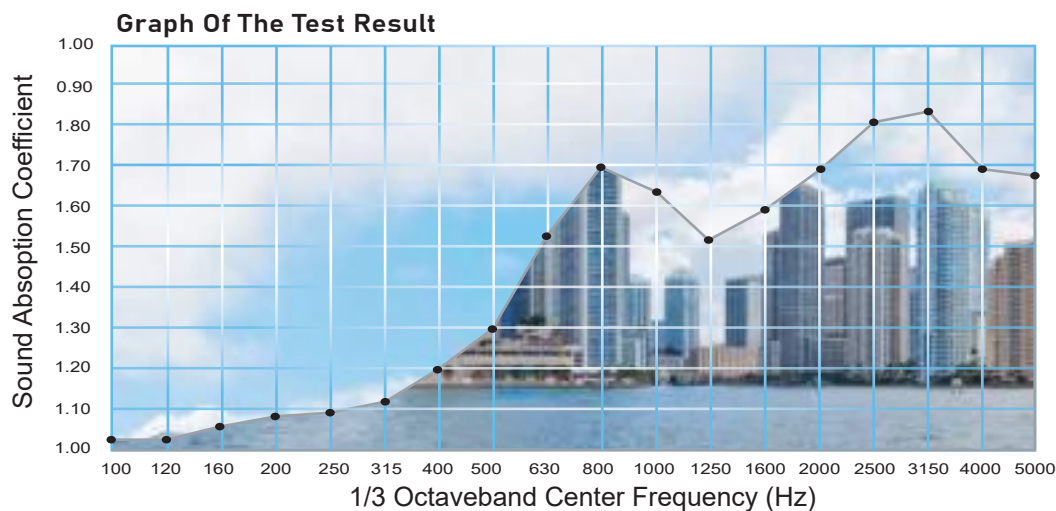
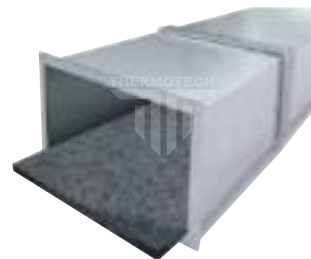
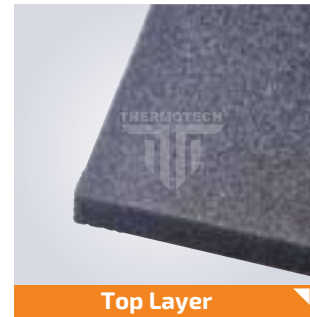


Product Features

- Excellent Sound Absorption in all kind of air ducts and buildings
- Low thickness, Lightweight and durable resistant
- Superior Resistance to Fungi and Low VOC for Air Quality
- Completely User Friendly, Easy and Quick Installation
- Self Adhesive Backing

Technical Details

- Sound Absorption coefficients : 0.45 (ASTM C423)
- Density : 33kg/m³ (foam core only)
- Resistance to Fungi : Zero growth (ASTM G21)
- Operating Temperature Range : 70°C ~ 100°C



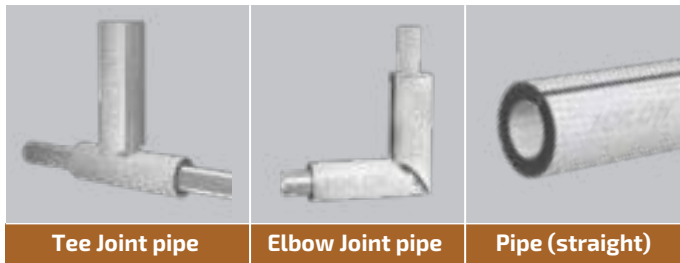
✓ Pipe Insulation (ThermoTube)

Toilon Thermotech® Pipe Insulation Crosslinked FR Class O composed of independent air cell, is very excellent in insulation effect as is very low thermal conductivity and long durability.

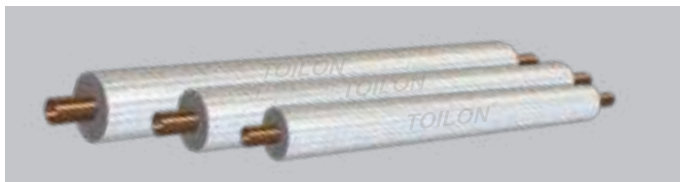
✓ Pipe Type Black Steel



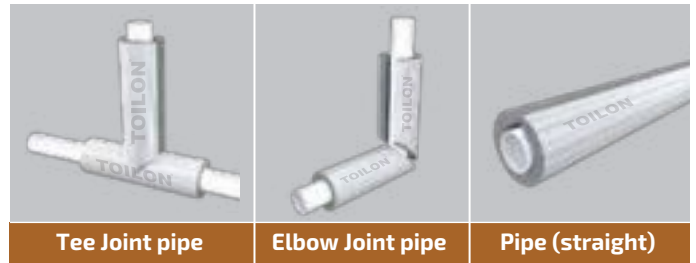
✓ Pipe Type Galvanis



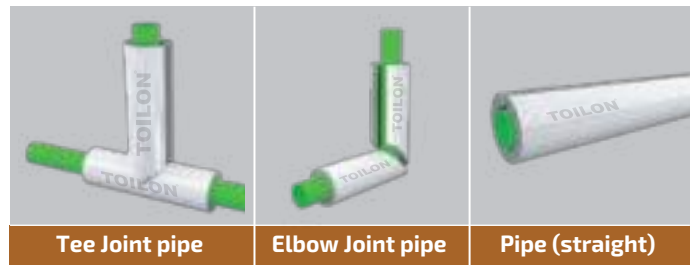
✓ Pipe Type Cooper



✓ Pipe Type PVC



✓ Pipe Type PPR



Advantages

Thermal Insulation

Toilon® ThermoTube IXPE FR Class O Physically Crosslinked Closed Cell Foam +FR (Class O) composed of independent air cell, is very excellent in insulation effect as is very low thermal conductivity and long durability.

No Dew

Toilon® ThermoTube IXPE FR Class O is perfect in Dew prevention as ThermoTech foam composed of Dense independent air cell.

Semi-Permanence

Toilon® ThermoTube IXPE FR Class O is polyolefin foam, which last almost permanent without changes.

Flexibility & Anti-Noise/Vibration

Toilon® ThermoTube has both closed cell which protects from noise and open cell that absorb noise.

Third Party Certification & Testing :



PRODUCT ACCESSORIES



Thermal Foam Tape

Type Product :

- > Foam Only With Glue (FOG)
- > Alum Foil With Glue (AF1G)
- > Alum Fiber Cloth with Glue (FC1G)

Size Availability :

- > 5 mm x 1 inch x 10 mtr
- > 5 mm x 2 inch x 10 mtr



Aluminum Tape (Duct Tape)

Type Product :

- > Eco Alum Foil (AF1)
- > Premium UV Alum Foil (PF1)
- > Fiber Cloth Alum Foil (FC1)

Size Availability :

- > 48 mm x 30 mtr (2 Inch)
- > 72 mm x 30 mtr (3 Inch)



Metalize Tape

Size Availability :

- > 48 mm x 30 mtr (2 Inch)

Multipurpose Crosslinked Foam



Platstreep ZincAlume

Size Availability :

- > 30 mtr x 5 cm (0,3 mm TCT)
- > 30 mtr x 8 cm (0,3 mm TCT)



Glue Black Premium

Type Product :

Glue Black Premium 220

Size Availability : Uk.10kg / Blek



- Ducting ▪ Mattress ▪ Wall & Cladding ▪ Floor Insulation (Underlayer) ▪ Building Insulation ▪ Automotive Trim ▪ Packaging ▪ Sports Goods, etc.

ThermoTech Support Technology is a simple and accurate software tool for calculating insulation thickness using Overall Thermal Transfer Value (OTTV) and Roof Thermal Transfer Value (RTTV) calculations for green building standards.

Thermo calculator provides solutions with accurate calculations, which can provide the following benefits :

✔ **Save Energy Costs**

- With proper insulation, heat is not easily lost or absorbed, thus reducing electricity or fuel consumption for heating/cooling.
- Reduces over insulation (insulation that is too thick wasted material costs) and under insulation (insulation that is too thin wasted energy).

✔ **Reduced Maintenance Costs**

- Avoids condensation on surfaces, which can cause corrosion.
- Reduces equipment wear and tear due to temperature fluctuations.
- Reduces the risk of fire or thermal leakage.

✔ **Standards Compliance**

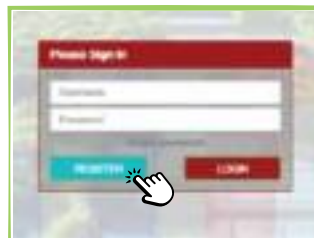
- Many industry standards (e.g., SNI, ISO, ASHRAE, Green Building) require certain levels of insulation for energy efficiency. The Thermo Calculator helps ensure designs comply with these standards.



ThermoTech Support Technology
www.thermocalculator.co.id



STEP 1 - VISIT OUR website
on www.thermo.co.id and click on the calculator tab to open the login page



STEP 2 - Select Register
on the login page



STEP 3 - Fill up the
required sections



STEP 4 - The dashboard
menu will appear after the registration steps are completed



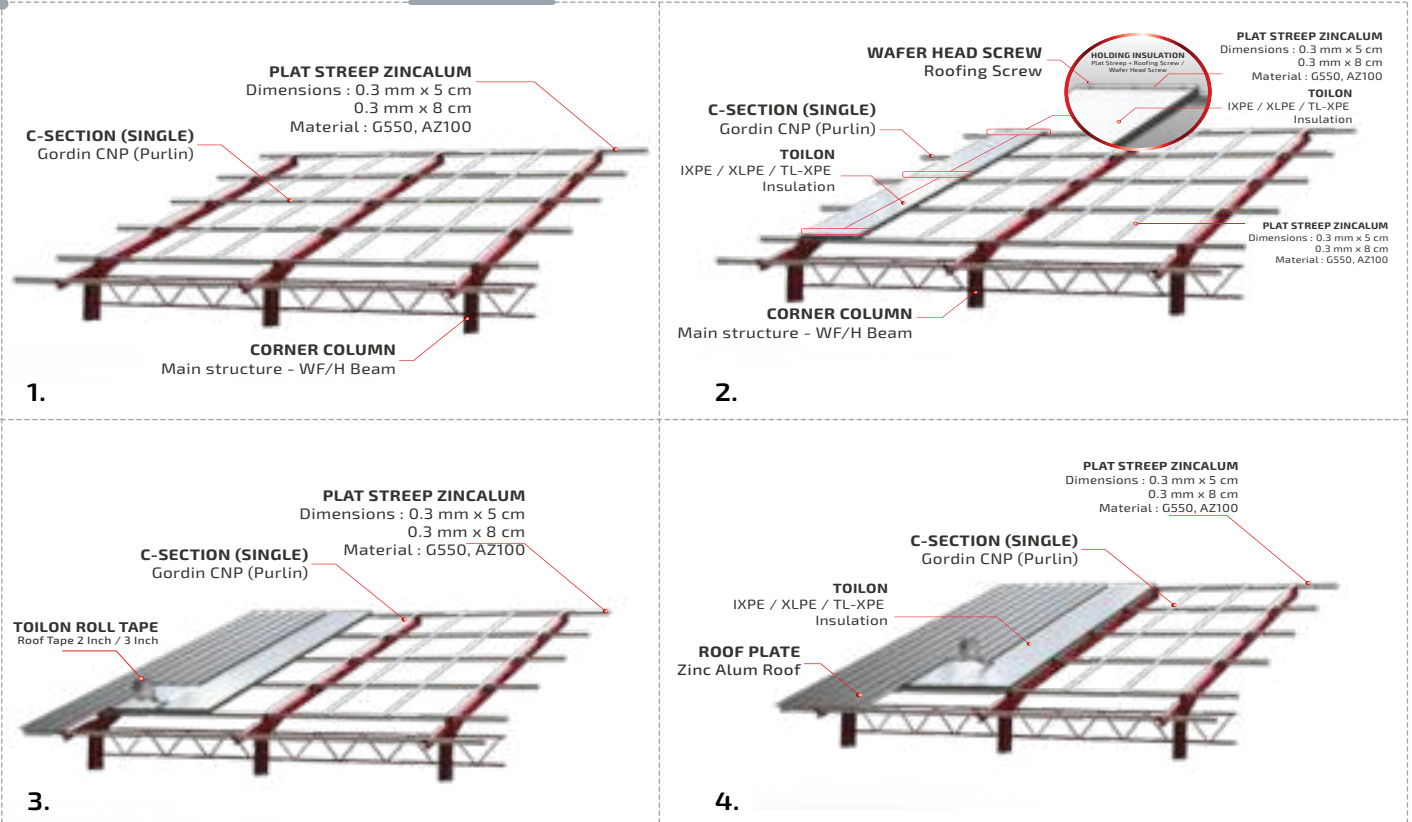
STEP 5 - Select the calculator
menu and fill the info on the desired insulation calculator (Roof, HVAC & Duct, and Pipe)



STEP 6 - The calculator
will help determine the recommended thickness of the desired insulation based on the information given. Click Save and Print to save the results

INSTALLATION GUIDE

ROOF THERMAL INSULATION



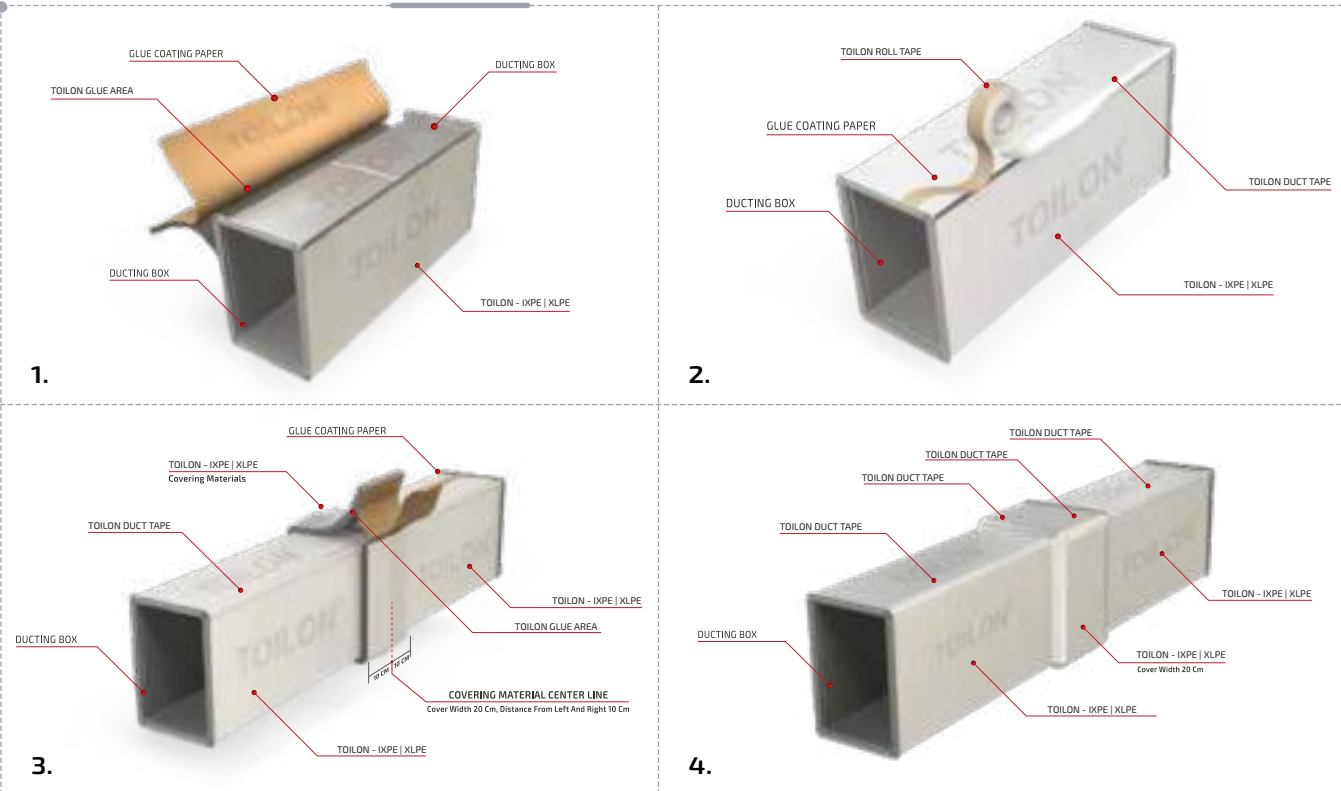
INSTALLATION GUIDE

CLADDING INSULATION



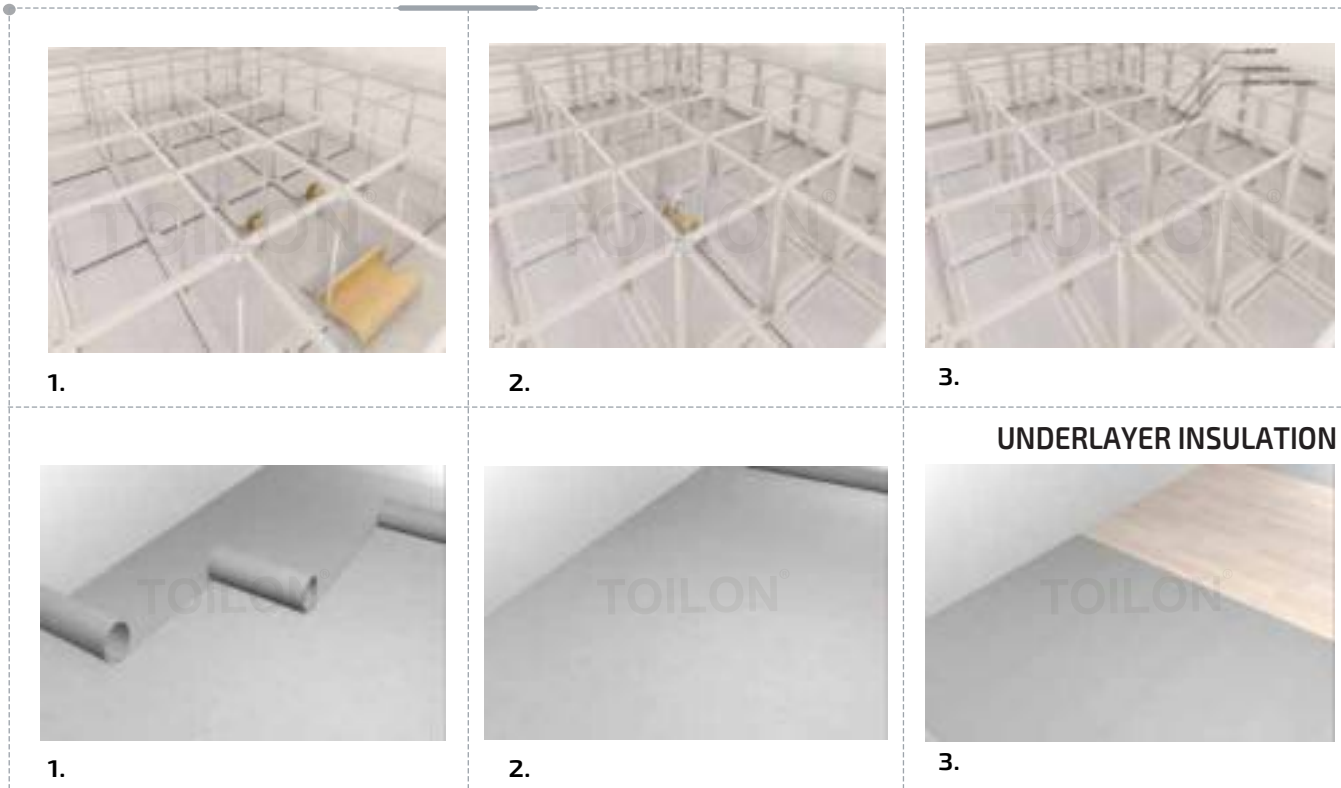
INSTALLATION GUIDE

DUCT INSULATION



INSTALLATION GUIDE

RAISED FLOOR INSULATION



UNDERLAYER INSULATION



INSTALLATION GUIDE

PIPE INSULATION



INSTALLATION GUIDE

ELBOW JOINT PIPE INSULATION



INSTALLATION GUIDE

TEE JOINT PIPE INSULATION





PROJECT NAME : LG BATTERY
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : KARAWANG



PROJECT NAME : PANASONIC HEALTH CARE
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : KAWASAN INDUSTRI MM2100



PROJECT NAME : UNILEVER SKIN ZARA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : CIKARANG





PROJECT NAME : LG R&D
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : KAWASAN INDUSTRI MM2100



PROJECT NAME : TOKAI RIKI INDONESIA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : CIKARANG



PROJECT NAME : HYUNDAI FACTORY MMI
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : CIKARANG





PROJECT NAME : MATTEL INDONESIA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : JABABEKA



PROJECT NAME : PT. MUHAN PRIMA PERKASA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : PALU



PROJECT NAME : AQUA GOLDEN MISSISSIPPI
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : SUKABUMI







PROJECT NAME : SINDE BUDI FACTORY PLANT 1
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : BEKASI



PROJECT NAME : SPF - PT. VAKSINDO
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : BOGOR



PROJECT NAME : PT. GISTEX INDONESIA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : SUBANG





PROJECT NAME : RS PERMATA CIBUBUR
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : CIBUBUR



PROJECT NAME : GEDUNG LEMBAGA FARMASI ANGKATAN UDARA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : JAKARTA



PROJECT NAME : IPB PUSAT STUDY BIOFARMA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : BOGOR





PROJECT NAME : MAHAKAM BETA FARMA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : PULOGADUNG



PROJECT NAME : RS. MAYAPADA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : TANGERANG



PROJECT NAME : RSUD DEPATI BAHRIN
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : BANGKA





PROJECT NAME : RSUP PERSAHABATAN
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : RAWAMANGUN



PROJECT NAME : RS. BUNDA SEJATI
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : JAKARTA

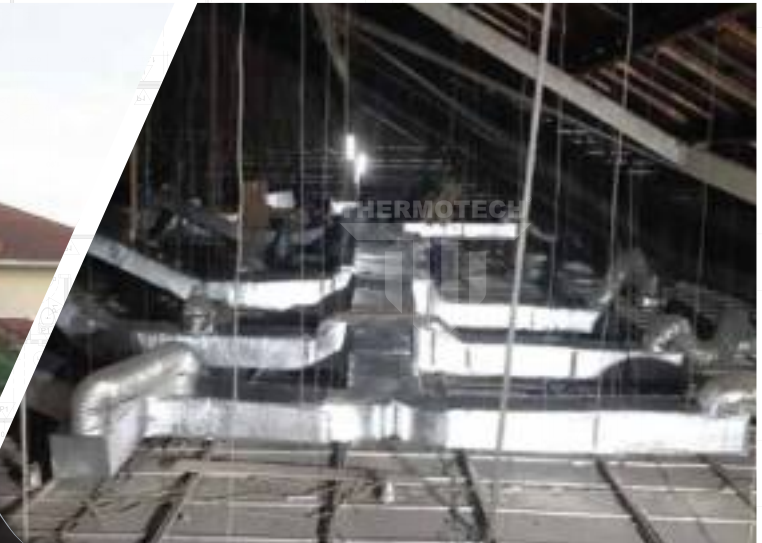


PROJECT NAME : RS. MITRA HUSADA
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : TANGERANG





PROJECT NAME : PURI ARDHYA GARINI
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : HALIM PERDANA KUSUMA



PROJECT NAME : NSK
APPLICATION PRODUCTS : DUCT INSULATION
LOCATION : KAWASAN INDUSTRI MM2100



PROJECT NAME : RS. SENTRA MEDIKA
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : BOGOR





PROJECT NAME : BIZNET YOGYAKARTA
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : YOGYAKARTA



PROJECT NAME : KONIMEX
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : SUKOHARJO



PROJECT NAME : DENSO INDONESIA FAJAR PLANT
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : KAWASAN INDUSTRI MM2100





PROJECT NAME : AQUA - SUBANG
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : SUBANG



PROJECT NAME : PT. NIPRO INDONESIA JAYA
APPLICATION PRODUCTS : PIPE INSULATION
LOCATION : KARAWANG



PROJECT NAME : RUANG MEETING ANDRAMATIN
APPLICATION PRODUCTS : ACOUSTIC INSULATION
LOCATION : BINTARO





PROJECT NAME : PT. BANSU ELECTRIC INDONESIA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : PURWAKARTA



PROJECT NAME : HEINZ ABC
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : KARAWANG



PROJECT NAME : WAREHOUSE INABATA PHASE 4
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : KAWASAN INDUSTRI MM2100





PROJECT NAME : OFFICE MERUYA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : MERUYA



PROJECT NAME : GUDANG PERKANTORAN
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : JAKARTA



PROJECT NAME : PERGUDANGAN ASG
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : TANGERANG





PROJECT NAME : GUDANG ALKES TIGA RAKSA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : CIKUPA



PROJECT NAME : MANDIRI MARINA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : SURABAYA



PROJECT NAME : SMK DON BOSCO
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : SUMBA NTT









PROJECT NAME : PT. ADIJAYA MAKMUR SEJAHTERA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : CIKANDE



PROJECT NAME : YASUNAGA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : CIKANDE



PROJECT NAME : SHINWON FACTORY
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : KUNINGAN







PROJECT NAME : CITRA GRAND CBD
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : CIBUBUR



PROJECT NAME : MENARA 1912 - GEDUNG UNIV. MUHAMMADIAH
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : TANGERANG



PROJECT NAME : PT. ANEKA REGALINDO
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : SURABAYA



PROJECT NAME : PT. ADIS FINISH GOOD
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : BALARAJA



PROJECT NAME : PT. SINAR MAKMUR INDAH EXTENSION
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : TANGERANG



PROJECT NAME : PT. MUTIARA MULIA - EXTENSION
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : BEKASI



PROJECT NAME : RUMAH TINGGAL
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : JAKARTA



PROJECT NAME : WAREHOUSE KAPAL API
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : CIANJUR



PROJECT NAME : INAKOSA PLASTIK
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : SEMARANG





PROJECT NAME : PT. GRHA ADI FORTUNA
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : JAKARTA



PROJECT NAME : CV. CAHAYA LAS WAREHOUSE
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : BANTEN



PROJECT NAME : ALFRESCO PURI INDAH
APPLICATION PRODUCTS : ROOF INSULATION
LOCATION : JAKARTA







PROJECT NAME : OAKWOOD DISTRICT 8
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : JAKARTA



PROJECT NAME : JAKARTA AIRPORT HOTEL
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : JAKARTA



PROJECT NAME : LANGHAM RESIDENCE
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : JAKARTA





PROJECT NAME : DE LAXSTON
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : YOGYAKARTA



PROJECT NAME : NASDEM TOWER
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : MENTENG



PROJECT NAME : HOTEL MERCURE
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : TANGERANG CENTRE





PROJECT NAME : HOTEL SANTIKA
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : TMII



PROJECT NAME : BALLROOM ASTON PRIORITY
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : JAKARTA



PROJECT NAME : BALLROOM SWISSOTEL
APPLICATION PRODUCTS : UNDERLAYER INSULATION
LOCATION : PIK AVENUE - JAKARTA



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