

GENERAL INTRODUCTION

English name : TOAN CAU Building Materials Company Limited
 Vietnamese name : Công ty TNHH Vật Liệu Xây Dựng TOÀN CÂU

3. Abbreviated name: TCBM

4. Logo : SM

5. Representative : Mr Đỗ Lam Sơn - Position: General Director

6. Head Office : 11 St 49 Quarter 3, Binh Trung Tay Ward, Thu Duc City, HCMC,

Vietnam

7. Branch Office : 5A, lane 216 Trung Kinh Str., Yen Hoa Ward, Cau Giay Dist.,

Ha Noi, Vietnam

8. Tel : +(848) 3743 2317/ 3743 2397 - Fax: +(848) 3743 2457

: +(844) 3200 7640 - Fax: +(844) 3200 7650

9. Website : www.tcbm.vn - www.tcbm-roofings.vn

10. Email toancau@tcbm.vn - sales@tcbm.vn

11. Business Registration Certificate: No. 0306056257 issued by Department of Planning

& Investment of Ho Chi Minh City.

12. Business activities: Building materials, insulation materials, fire ressistance material, solution for materials in construction.

TCBM focus on flexible creative solution in construction with new technologies, green building, energy saving, fire-resistance solution, etc.,

ESTABLISHMENT AND DEVELOPMENT

I. ESTABLISHMENT:

TOAN CAU BUILDING MATERIALS COMPANY was established on 10.10.2008. Our company is the leading building materials company in VietNam, specialized in provides flexible creative solutions in construction, commit to offering the premium generation materials, eco-friendly use in cleanroom. Our solutions & products were used and installed in government projects, major building projects, airports, subways, shopping centers, resorts, villas, hospitals, factories, etc.,

We provide with high performance reputation product in many countries, continents. TCBM always improves to bring our customers with the best products & services and commit to:

- > Customers flexible creative solutions & quality products, guaranteed technical standards and aesthetics
- > Partners prestige and commitment at work
- > Community & Environment eco friendly products, non CFC, HCFC, enduring over time.

All solutions & products are provided by Toan Cau Building Materials Company certified by the following international standards: ISO 9001, FM Approvals, GreenGuard, Fire Performance Part 6.7. The certifications demonstrate the company's commitment to provide a high performance quality products.

- * 2008 AHI DECRA ZINCALUME/ New Zealand
- * 2008 IKO SHINGLES/ US Canada
- * 2008 RESYSTA WOOD/ Germany
- ❖ 2010 FLAMEBAR FIRE RATED BW11/ UK
- * 2012 FLEXDROP YONGWON/ US
- * 2015 TILCOR ROOFING/ New Zealand
- * 2017 K-FLEX INSULATION/ Italy
- * 2019 OSB TC ROOFING BOARD/ EU
- 2019 TC ROOFING CEDAR ROOFING,
 COPPER TEGOLA CANDESE, CENTRO THACTH

II. DEVELOPMENT:

HA NOI BRANCH OFFICE

Through the developing process, TCBM is committed to offer flexible creative solutions & quality products. To bring the best service for customer, on the 17th of March 2014, TCBM opened a new branch in Ha Noi.

Address: 5A, lane 216 Trung Kinh Str., Yen Hoa Ward, Cau Giay Dist., Ha Noi

Phone: (84-24) 32 007 640 - Fax: (84-24) 32 007 650

Email: toancau@tcbm.vn

III. AWARDS:

ASEAN TYPICAL ENTERPRISE 2011

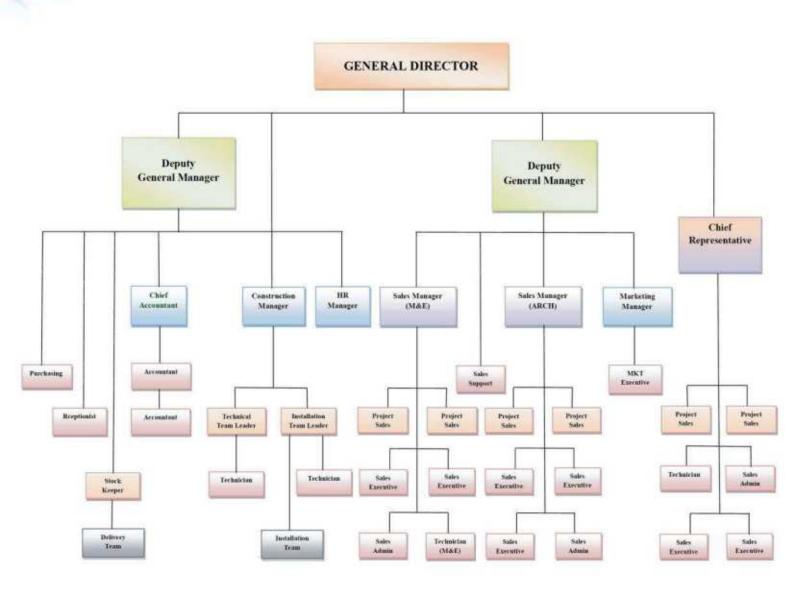
On the 16th of July 2011, in the Vientiane (Laos), the Awarding Ceremony was held to honor, promote and encourage the business community, the business people who have contributed to the common prosperity, to promote regional economic development and build the friendly relationship of ASEAN.

At the ceremony, 56 enterprises were honored to be awarded the "ASEAN Typical Enterprise" in 2011, including TCBM.









TCBM IN VIETBUILD & YAF







TCBM'S WAREHOUSE



TCBM CONFERENCE

In order to help clients understand about TCBM's products, TCBM often holds many conferences, seminars, meetings at conference center in Hanoi capital & Ho Chi Minh city.









TRAINING & INSTALLATION PRODUCTS ON SITE





Training & Installation K-Flex insulation on site





Training & Installation Flamebar BW11 on site

CONSTRUCT

IKO SHINGLES ROOFING

Vietnam is the country's climate is characterized as tropical monsoon harsh. The main severe weather conditions pose a problem for the design unit of the sustainability of materials used in construction. Besides, Vietnam is now one of the countries severely affected from climate change. So, finding solutions, durable materials, beautiful, friendly to both the environment is an important task of the construction industry. Catching needs, Toan Cau Building Materials Company has brought to Vietnam stone coated roofing products with superior features and is a green solution that works today.

Shingles Roofing IKO other products to replace it by the Vietnamese advanced features of the product's characteristics. First, materials are IKO roofing material Shingles are usually harmless to the environment, most commonly bitumen asphalt, not containing asbestos caused cancer as the type of roofing has been banned now. Second, ecological roofing not cause noise as weak points of religion when it rains, whereas the ecological roofing sun roof also works better because of the cool temperatures and especially keep rust as religious. Not only that, with a weight of about 10.5 kg/m² Shingles IKO roofing to reduce the work load and save system structure.



In the Vietnam market, with the goal: "Give the user community and the practical benefits of the product," Shingles Roofing IKO has received the confidence of a team of architects, designers, and conquer the most demanding consumers. In addition to being produced from these materials and technologies friendly to the environment, IKO Shingles also pleasing users with advanced features such as Vietnam: Super light, superstrong, super waterproof, chemical resistant food corrosion, withstand typhoons and cyclones, heatresistant and extremely effective noise, therefore, IKO roofing Shingles not merely roofing system but also solutions for the security, durable and friendly environment, what kinds of roofing on the market today can not deliver the same product. In addition, the warranty for the waterproofing features for up to 30 years, IKO Shingles also want to assert themselves on the quality of the projects below:

PHU QUOC SQUARE MARINA



Phu Quoc Square Marina is the first of its kind development consisting of a series of exclusive vacation residential resorts, a waterfront park and beach area, a waterfront retail and entertainment precinct. The integrated development is master planned to become the future tourism center of the Phu Quoc Island. Phu Quoc Marina

promises visitors and guests a completely unique resort paradise where they can experience a host of dining and entertainment options, plus dynamic, fun rides for the whole family.

· Location: Bai Truong - Phu Quoc, Kien Giang province

Product: TC-Roofing IKO Shingles
 Style: Cambridge & Marathon

· Color: Charcoal Grey

COCOLAND RIVER BEACH RESORT

Cocoland River Beach Resort is the first resort rating 4-star standard in Quang Ngai. It includes 76 villas with full amenities such as: Restaurant, bar, conference room, swimming pool, beach, spa & gym, tennis court... All of interior furniture is made from natural materials such as wood, bamboo, coconut fiber, fired brick, roof tile with elegant and luxurious colors.



Location: Thu Xa ancient town, Nghia Hoa ward,
 Tu Nghia district, Quang Ngai province

Product : TC-Roofing IKO Shingles
 Style : Marathon, Armourshield

· Color: Harvard Slate, Granite Grey Ultra.

VAN PHUC CITY



Van Phuc City which covers an area of 198 hectares, is well-known as a mini-city in the Eastern of HCMC. A modern and convenient residence is like a golden masterpiece by Saigon river. Van Phuc Group with Van Phuc city project, has harvested achievements in investing and developing real estate projects used

to construct new residences meet residing demands of people living in HCMC.

· Location: Thu Duc Dist., Ho Chi Minh city

· Product: TC-Roofing IKO Shingles

· Style: IKO Cambridge

· Color: National Blue, Hardvard Slate, Patriot Slate

CASINO NAM HOI AN

Nam Hoi An Casino is located near Hoi An Ancient Town, Danang International Airport and My Son Sanctuary. With an area of about 1,000 hectares and total investment of 4 billion USD, this resort is one of projects having the biggest investment in Quang Nam. Hoi An Casino is a complex area of casino, hotel, tourism and entertainment.



· Location: Duy Hải Village, Duy Xuyen Dist, Quảng Nam province

· Product : TC-Roofing IKO Shingles

· Style : Armourshield

· Color : Granite Grey Ultra.

THE SUN PREMIER VILLAGE



The Sun Premier Village Phu Quoc is located at Mui Ong Doi in the southwest of Phu Quoc island. This project owns great natural resources such as blue sea water, white sand, majestic rock rapids, hillsides with wide view and pristine forests. Premier Village Phu Quoc Resort is a complex of luxury villas with luxurious and sophisticated design.

Location: An Thoi town, Phu Quoc district, Kien Giang Province

Product : TC-Roofing IKO Shingles

Style : Cambridge
 Color : Driftwood

FANSIPAN LEGEND - SAPA

Fansipan Legend's suspended cable car system is the highest, longest and the most modern suspended cable system in the world and is the first of its kind in Asia. Thanks to rigorous safety regulations, this system will guarantee to deliver guests down to the mountain foot with the utmost priority of safety and caution.



Sapa station is designed with the traditional French architectural style of the 19th Century, boasting impressive scaling walls, floor-to-ceiling arched windows and sophisticated castle-style decor. Meanwhile, utilizing a modern and clean design, the arrival station brings together mankind and nature in perfect harmony. From afar, the arching shape of the station resembles the astonishing image of a colossal leaf wrapping around a bird's nest.

Location: Sapa – Lao cai

· Owner: Sun Group

Product: IKO Cambridge

Color: Harvard Slate

· Completed: 2016

VINPEARL LAND NHA TRANG

Vinpearl Land Nha Trang – the world class recreational paradise – is located by one of the 29 most beautiful sea gulfs in the world. If you want to enjoy a honeymoon holiday, to join the family in exciting games, to relax on the beach, or even to try the currently one-of-a-kind amusement rides, Vinpearl Land Nha Trang definitely meets your expectations.



In 2015, Vinpearl Land Nha Trang officially became a member of the International Association of Amusement Parks and Attractions (IAAPA), and was voted as **Viet Nam's most attractive amusement park** (awarded by Vietnam Tourism Association).

· Location: Hon Tre, Nha Trang, Khanh Hoa

· Owner: Vingroup

Product: IKO Cambridge 30

· Color: Charcoal Grey, National Blue

Completed: 2015 – 2016

VICTORIA VIILLAGE



The project of high-end residential complex has located in the front of Dong Van Cong street, right to Mai Chi Tho avenue, Victoria Village is a project complex consisting of apartments, villas and townhouses. The design concept was inspired by the bustling modern citizen area of Europe and the peaceful and

relaxing space of the inner squares, create a special residential area of Novaland Thanh My Loi.

Location: Dist 2, Ho Chi Minh City
 Product: TC-Roofing IKO Shingles

Style: IKO Cambridge

Color: Cool Color Dual Grey

MIZUKI PARK



Mizuki Park is the largest project involving two Japanese investors and Nam Long. The project includes 4,676 affordable condominium units and 170 land plots, comprised of townhouses and villas, with a wide range of facilities offering a quality lifestyle. It includes a riverside road, central canal and lake, sporting areas, restaurants. medical and education facilities,

commercial centers, a community garden and a children's playground.

Location: Dist 7, Ho Chi Minh City
 Product: TC-Roofing IKO Shingles

Style: IKO Cambridge

· Color: Driftwood - Weatherwood

ECOPARK

Located in the southeast of Hanoi, on the scale of 500 ha, Ecopark has an ideal location. Being favored by nature surrounded by the Red River and Duong River, stretches on the shores of Bac Hung Hai River, creating lakes with an area of 100 hectares, contributing to the environment and fresh air of the urban area characterized market. These are the features that project almost exclusively in developing countries.

Complete: 2009 - 2017Location: Hung Yen

· Application: IKO Shingles Cambridge & Marathon





VINPEARL LAND PHU QUOC

Phu Quoc Vinpearl Land is invested as the largest and most modern amusement park in the Southwest of Vietnam, turning Phu Quoc – the beautiful island to become the new destination for visitors from all over the country.

Come to Vinpearl Land Phu Quoc, visitors can enjoy full of interesting indoor and outdoor games, from easiest to the most adventurous



visitors can also satisfy their desire for great gastronomy at food village or go shopping in the commercial center.

· Location: Bai Dai, Phu Quoc, Kien Giang

· Owner: Vingroup

· Product: IKO Cambridge

· Color: Charcoal Grey, Riviera Red

Completed: 2015 – 2016

HOANG OUYEN RESTAURANT



Hoang Quyen Restaurant is built on prime land, opposite Tan Dong Hiep bus station, Di An District, Binh Duong Province, adjacent VSIP industrial zone and near AEON MALL.

Hoang Quyen Restaurant is under the management of JSC Trade and Services Conference wedding Tan Truong Thinh. Built on a spacious campus with a total

area of 2,500 m2, divided into 3 areas for visitors V.I.P space, family-friendly area, and garden space area.

Location: Tan Hiep Dong, Di An, Binh Duong

Owner: Tan Truong Thinh JSC Trade and Services Conference wedding

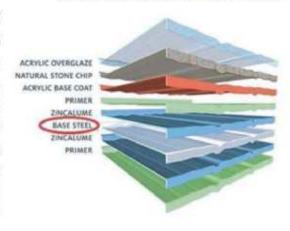
Product: IKO Cambridge

Color: National Blue

Completed: 2016

AHI DECRA ROOFING

AHI Decra Zincalume are the manufacturers of Decra® and are the world leaders in steel roof tile production and technology. Our product range includes a variety of roof profiles to complement all home styles. Decra stone coated steel roof tile is made from aluminium-zinc coated steel (Grade G300 & AZ 150), conforms to AS 1397:2001 standard that provides superior corrosion resistance performance and coated with acrylic basecoat, natural/ceramic coated volcanic stone chips and acrylic overglaze.



PRODUCT ADVANTAGES

- Crafted of aluminum zinc alloy should Zincalume high tensile steel 4-5 times normal.
- Light weight, about 6.4 to 7 kg/Im2, saving costs for the structure below.
- Inter locking system creates strong links between themselves and with roofing truss system below, subject to the conditions of wind, storms, cyclones.
- Overlay on natural stone grit surface finish reduces heat absorption.
- Metal roofing system DECRA, noise reduction to the maximum extent, different from the other common types of roofing.
- No mildew, no corrosion, adapting to the roof near the sea, beneath the environmental impact of sea salt corrosion.
- Various colors, high color fastness due to stone veneer natural color, UV resistant.
- Fast constructiont, simple, high product life, no maintenance required.

ASIA PARK



Encompassing a site of 868,694 square meters on the West bank of the Han River, Asia Park contains several unique features and combines world re-known entertainment with a distinctively East Asian flair. Asia Park consists of three main areas: an amusement park with modern rides, attraction and shows; a cultural park that consists of culture of ten countries and focus on traditional architecture and horticulture; and centralzone, the interface

traditional features.

- · Location: No1. Phan Dang Luu, Hai Chau, Da Nang
- · Owner: Sun Group
- Application: AHI Corona Shake
- · Color: Onyx

HA LONG OCEAN PARK

Ha Long Ocean Park includes major items such as cable systems (Queen cable) with 2 cabins accommodating 230 guest/cabin; Halong Sun rotation, the Japanese Garden, The Largest Oceanarium, World culture village, amusement parks Adventure, Water park, commercial buildings, high-end services ... and ancillary works.



Rhythm with modern buildings behind, Ocean Park will connect with a range of travel services in Ha Long City.

Location: Ha Long, Bai Chay, Ha Long, Quang Ninh

· Owner: Sun Group

· Application: AHI Corona Shake

Color: Green Stone
 Completed: 2015 - 2016

OPERA HOUSE



Located in a convenient in the city center, this is considered center theater, organizes veratile performing arts theater also be used to organize a number of large en- ents. This is kind of long standing theater architecture in Western Europe and the place attracted tourist in HCM.

Completed: 2009

 Location: 07, Lam Son Square, District 1, HCMC

· Application : AHI Corona

PHU MY HUNG URBAN

Phu My Hung urban area is an luxury area of District 7, where the focus of the high income persons, was management by Phu My Hung Joint Stock Company.



· Completed: 2008

· Location : District 7, HCMC

· Application: AHI Decra

BA NA HILL

Ba Na Hill was built according to Austrian technology, ensuring standards of the European Association slings. Ba Na from cable is a perfect picture with colorful surface and messages cloud overlap.

Completed : 2012 to present
 Location : Da Nang city
 Application : AHI Corona

HÔTEL DE LA COUPOLE (ACCOR SAPA)



Hotel de la Coupole is a hidden jewel of high-end design and sophistication situated among the mountaintops of the beautiful and secluded Vietnamese mountain town of Sapa. Hôtel de la Coupole is an unforgettable hideaway for a romantic break, special family vacation and exclusive event, with the picturesque surroundings and authentic experiences of Northwest Vietnam right on the doorstep.

Location: Sapa town, Lao Cai Province

Product: TC-Roofing AHI Decra

· Style: Decra Corona

Color: Green Stone & Sage

RESYSTA

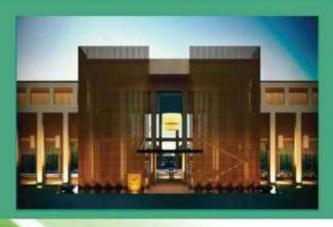
Already today, Resysta wood meets tomorrow's technical and ecological demands. Owing to its durability and sustainability, completely new designs are possible. The fibre reinforced hybrid material is produced of approx. 60% rice husk, approx. 22% common salt and approx 18% mineral oil, which makes it both environmentally friendly as well as extremely weather resistant against sun, rain, snow or salt water. At the same time, Resysta wood requires minimal care and offers the look and feel of wood. Water resistant surfaces with the look of wood are Resysta's future.

Today, with the scarcity of natural wood and lack of transparency in the selection of natural wood. Because there is no standard criteria to assess consumer shift towards the use of artificial wood products durable, with quality assessment criteria clear. More importantly, to protect the green lung of the city and protect the environment. Consumers toward using green products and environmentally friendly. Foreseeing the weak market and expectations of customers.

After a long period of time to build and develop their own brand of quality and prestige in Vietnam market. Today, Toan Cau Building Materials is a distributor and is the exclusive provider of Resysta wood in Vietnam market and Southeast Asia. Resysta was born to overcome the disadvantages of natural wood and one of the other artificial wood. To demonstrate this, Resysta was selected and trusted in the projects below:



NOVOTEL HOTEL



Novotel system is one of the most luxurious and beautiful hotel chains in Vietnam. Located in major cities and have prime location, that very suitable for business trip and relaxation.

Completed : 2011

Location : Hai Chau Dist - Da Nang

and Dist 1 - HCMC

· Owner : Liberty Company

Bring the natural characteristics of natural wood and are manufactured under the most advanced technology of Germany, with a combination of primary husks, sea saltand mineral oil. Resysta over comes the disadvantages of natural wood that can not be a ssubject tomoisture, not flammable, anti-termite, nowarping...So Resysta specialized for outdoor item ssuch as ceiling tiles, wall, the sign of the following stores.

STARBUCKS COFFE



The famous coffee brand around the worls. Began from a coffee shop 40 years ago to this time, in each country Starbucks always bring the best service to customers.

Completed : 2013 – 2014

Location : Starbucks Nguyen Du, District 1, HCMC

Starbucks Dong Du, District 1, HCMC

Starbucks Phan Xich Long, Phu Nhuan Dist. HCMC

Starbucks District 7, HCMC

Owner : Food & Beverage Idea Vietnam

· Application : Signs and wall cladding

Surround with the specific design of Starbucks in the world and Vietnam, Resysta further confirmed that the best choice for all outdoor wood items. With a combination of harmony and sophistication in each design, Resysta give warm and sweetly to customers.

THE CLIFF RESORT & RESIDENCES

The Cliff Resort & Residences is located at the first position of the main way into the "capital" of resorts in Mui Ne. This is planned based on the overall charge of 3 ha. Uniquely situated on the slopes with rocky terrain, sloping toward the sea, all most room have views looking to the sea.

Completed: 2011

 Location: 5 Nguyen Dinh Chieu, Ham Tien, Phan Thiet

Owner : Hoang Yen Restaurant
 Application : Pool Decking





VIETCOMBANK HUNG YEN

Originated as a specialized bank for foreign trade, Vietcombank nowadays has become a multiple sector bank, providing customers with a wide range of leading financial services in international trade. Meeting the high - quality international standard, Resysta wood is used to offer the look and feel of wood, water resistant surfaces with the look of wood are Resysta's future.

Location: Hung Yen province

Product: Resysta wood
 Profile: DKG 5.5/1

JAMONA

Location : District 7, HCMC
 Application : Wall cladding, Louver

Located in the Urban area of Saigon South senior, Jamona city ensure full otlity and value for residential community living there. We can say, Jamona city is the best place with natural harmony, remarkable peak of class. The criteria using green materials friendly to the environment. Meet the requirement, Resysta be applied to all outdoor items.



AQUA MEKONG YACHT - HIGH CLASS AND LUXURY WITH RESYSTA WOOD



This is the yacht outstanding project of Mekong river route in 2014 with a total investment cost to be around \$ 6 million.

It is designed by Italian experts, the Aqua Mekong yacht asserts its class with 20luxury rooms, bar, restaurant, etc... accompanied by a professional catering services for travelers who are connoisseurs. None better than them, these travelers with keen experience will have correct assessments of quality of the yacht giving them during the journey.

And this is why the investor and the talented Italian designers selected Resysta wood as highlights for important works of the yacht: hydraulic reservoir, Pergola, wooden furniture, ceiling, walls, columns and floor of the yacht.







OSB stands for "Oriented Strand Board" and is a wood-based product made from thin veneer strands that are bonded together with a synthetic resin. This OSB consists of three cross-oriented layers with the surface of the board formed from strands oriented along the length of the board and the core strands arranged in cross orientation. This crosswise orientation of the individual layers achieves a high level of dimensional stability and an excellent mechanical performance.

TC ROOFING BOARD OSB/3 & TC DECK OSB GROOVE

1. Practicality and Safety

- > High load-bearing capacity and panel rigidity.
- Moisture resistant gluing.
- Rated as safe for a pointload with 100 kg man-weight between the rafters up to 600 mm distance, in accordance with EN 12871.
- Safe seal from the second row of the panels installed until the installation of the entire roof is complete.

2. Innovation

The TC Roofing Board is the ergonomic solution for fast and safe sheeting. The panel has a special profiling on the edges that allows a continuous, fast and precise installation as a rigid roof base.

- Unique combination of "L" shiplap joints and tongue and groove profile with integrated expansion space of 2 mm.
- Quick and easy installation thanks to the "fold in & slide" system or "plug in & slip".
- Allows continuous installation thanks to the "tongue and groove" selfsupporting joint on the short side of the panel.
- Cost and time savings

3. Technical Data Sheet

- TC Roofing OSB Groove: 2250mm x 60mm x (12mm, 15mm, 18mm)
- TC Roofing Board OSB/3: 1220mm x 2440mm x (9mm, 10mm, 11mm, 15mm, 18mm)
- Tolerance in width: ± 3mm. in length: ± 3mm. in thickness: ± 0.8 mm
- Edge straightness tolerance: 1.5 mm/m. Squareness tolerance: 2 mm/m
- Moisture content: 12%
- Formaldehyde content: Class E1, max 8mg/ 100g
- Standard: EN 13501-1, EN 13986, EN ISO 12572, EN 310, EN 1087-1, EN 319, EN 1087-1

K-FLEX INSULATION

OVERVIEW OF PRODUCTS

1. The company

K-FLEX is an Italian manufacturing company specialising in the production of thermal and acoustic elastomeric insulation materials. The company has production facilities and subsidiary networks around the globe in order to supply their products to a worldwide customer base. Its diversified product range provides solutions for various market sectors, including building, transportation, petrochemical and renewable energy.

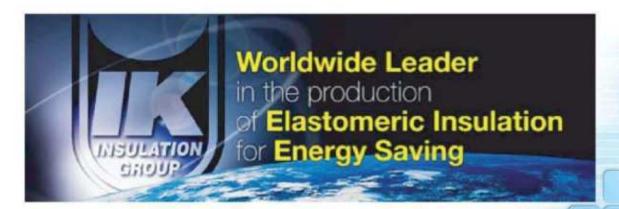
K-FLEX is a worldwide market leader thanks to its focus on technological innovation and the quality of its products that play an essential role in energy consumption control and the reduction of greenhouse gas emission.

K-FLEX is present in 63 countries, with 14 production facilities and more than 2.500 employees.
In addition, the company has a strong commercial distribution network and branches, located all over the world, for the efficient and effective global distribution process of its products.

The original manufacturing plane, located in Roncello (north of Milan), was founded in 1989 and today it is the largest in the worl for the production of elastomeric insulation.

K-FLEX Company is UNI EN ISO 9001:2015, registered and has over one thousand additional certifications for products that guarantee quality, reliability and performance standards for the whole insulation market.

K-FLEX product also play a very important role in conserving the environment by improving the relationship between energy consumption and pollutant emissions, controlling energy consumption and reducing the release of greenhouse gas in the atmosphere.



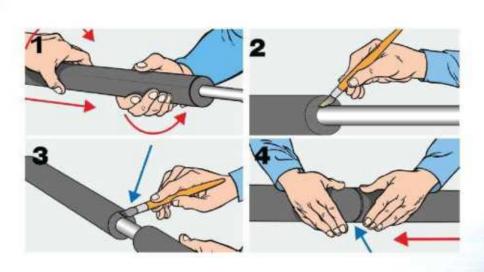
2. Composition of materials

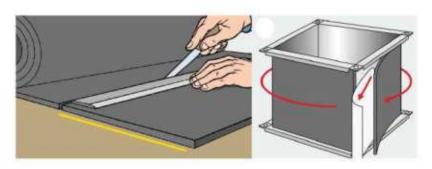
K-FLEX ST is closed cell, flexible elastomeric foam use in thermal and acoustic applications. K-FLEX ST is a Factory Mutual Approved, Class "0" fire rating (based on BS476 Part 6&7), Anti-Microbial, Cleam room approved insulation without CFCs, HCFs, HCFCs, Formaldehyde, Green Guard Approved, Singapore Green Mark Approved (GBI) and Fiber free. K-FLEX ST insulation is also availabe with pressure sensitive and aluminium foil for faster installation process.

K-FLEX K-PROTECT is crosslinked closed cell polyolefin foam insulation for thermal & acoustic application. K-FLEX K-PROTECT is classified as Class "0" complying to BS 476 Part 6&7. Thus offering an excellent fire resistance and use in multiple application areas where the fire safety is paramount. K-FLEX K-PROTECT has a main objective of help the energy efficiency & sustainability of the project. K-FLEX K-PROTECT is designed with Zero VOC, it is Formaldehyde free, it offers excellent resistant to Mold Growth and has an Ozone Depletion Potential of Zero. K-FLEX K-PROTECT is CFC, HCFC free product thus it is an environmental friendly Green product.

3. Applications







Insulated ductwork.

4. Source and origin

- Product are manufactured based on Italian technology Multinational Corporation
- Origin: Malaysia

5. Trade name:

- K-FLEX ST CLASS 0 INSULATION
- K-FLEX K-PROTECT INSULATION
- K-FLEX K-FONIK OPEN CELL ACOUSTIC INSULATION
- M-FLEX INSULATION

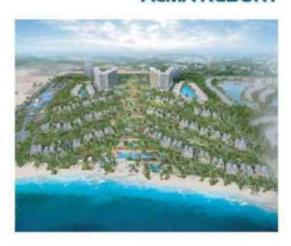
6. Shape

There are all kinds such as tubes and sheets from the contraction could implement at corner, or box.



ALMA RESORT

Alma Resort Cam Ranh is located in the northern of Cam Ranh peninsula, Khanh Hoa province. Its total land area is 30 ha including 200 villas, 2 main towers providing 400 apartments. With its excellent qualtity standard, K-Flex insulation, supplied by Toan Cau Building Material Company, was trusted to be provided for chilled water piping system, refrigeration piping, drainage system and Chiller Water piping system for Alma Resort Cam Ranh.



- · Investor: Paradise Bay Resort Co., Ltd
- Location: Nguyen Tat Thanh Street, Cam Hai Dong Ward, Cam Lam District,
 Khanh Hoa Province
- · Product: K-Flex insulation

NAM PHAT FUSION



Well-known for its health resorts and hotels in Vietnam, Fusion Group continues to expand its brand presence in Vietnam with the Fusion Resort & Villas Danang on Non Nuoc beach in Da Nang city. Fusion Resort & Villas Danang is located at the gateway to UNESCO's world natural heritages such as Hue ancient capital, HoiAn Ancient Town, My Son Sanctuary.

With its excellent quality standard, K-Flex insulation supplied by Toan Cau was trusted to be use for refrigeration pipework, drainage system and hot water piping for the Fusion project.

- · Investor: Lodgis Hospitality Holdings Pte.ltd
- · Location: Son Tra Dien Ngoc Street, Ngu Hanh Son District, Da Nang City
- Total area: 15,075 ha (including villas and hotels)
- · Product: K-Flex insulation

HOI AN SOUTH DEVELOPMENT



Hoi An South Development will consist of tourism areas, an integrated resort complex and residential areas. As stipulated in the Investment Registration Certificate dated 2 August 2016, the whole development of Hoi An South Development is expected to comprise seven phases to be developed over

a span of 13 years on a site of approximately 985.5 hectares. TCBM is proud to supply K-Flex insulation for all projects at Hoi An South Development.

· Investor: Hoi An South Development Co., Ltd

Location: Hoi An, Quang Nam City

· Product: K-Flex insulation

ONSEN QUANG HANH



Onsen Quang Hanh is built inside of Quang Hanh hot spring resort, about 10 kms from Ha Long and 15 kms from the center of Cam Pha City to the west, this place is very convenient for moving and stopping in the journey through many different locations in Quang Ninh. Here, the "inspiration of relaxation"

completely embraces every living space; with the lush green of tranquil water, energetic in the hot spring area. Toan Cau Building Materials Co., Ltd is proud to provide K-Flex insulation products for refrigeration pipework, hot water piping system and Flamebar BW11 fire rated coating for fire rated ductwork requiring high standards for Onsen Quang Hanh.

· Investor: Cam Pha Sun - Sungroup Company Limited

· Location: Quang Hanh Ward, Cam Pha City, Quang Ninh Province

Total investment: 3,500 billion VND

Product: K-Flex insulation & Flamebar BW11 fire rated coating

JW MARRIOTT CAM RANH

W Marriott Cam Ranh is a 5-star resort & hotel, with 5 blocks of hotels, 76 villas and a community area. To ensure five-star standard of the hotel, K-Flex insulation is trust use for Chiller Water Piping system, Refrigeration pipework, Drainage system and Ducting system in JW Marriot Cam Ranh. K-Flex ST Class 0, with its excellent low thermal conductivity and strong resistance to water vapor permeability, is trusted to be the insulation product for ACMV system.



- · Investor: Sao Phuong Nam Investment Corporation
- · Location: Cam Ranh City, Khanh Hoa Province
- Total land area: 209,679 m2. Construction area: 30,086 m2. Total GFA: 52,390 m2
- Product: K-Flex insulation

HILTON SAIGON HOTEL



Hilton Saigon Hotel is a five-star standard hotel project with 40 floors and 5 basements providing more than 350 rooms. The project is total investment is up to 100 million USD. Located at District 1, the most favorable location in Ho Chi Minh City, Hilton Saigon Hotel is expected to be the 3rd tallest building in Ho Chi Minh City (after Bitexco and the Landmark 81 Tower) after completion.

To ensure five-star standard of the hotel,

Flamebar BW11 is chosen for its duct system and k-Flex is trust to use for Chilled water piping system, refrigeration piping, drainage and ducting system in Hilton Saigon Hotel.

- · Investor: Saigon Cuu Long Investment Production and Trading Joint Stock
- · Company
- Location: 11 Ho Huan Nghiep Street, Ben Nghe Ward, District 1, Ho Chi Minh City
- · Product: K-Flex insulation & Flamebar BW11 fire rated coating





One Verandah is the last riverside luxury apartment project in Thanh My Loi Ward, District 2. With a panoramic design of the city and the Saigon River, and 8,000 m2 of a complex of utilities providing entertainment services for all ages, One Verandah stands out in the real estate market today. The project consists of 5 towers (22-storey) with 779 luxury apartments and shop-house. Each

apartment with a cool design provides natural light and air. It promises to be an ideal home bringing fresh and peaceful living space to all residents. Toan Cau Building Materials Co., Ltd is proud to provide K-Flex insulation products for refrigeration piping, drainage system that require high standards for the project.

· Investor: Mapletree Singapore Group

Location: Thanh My Loi Ward, District 2, Ho Chi Minh City

Product: K-Flex insulation

PALM HEIGHTS

Located in Palm City, Palm Heights is a project of 816 luxury apartments with 3 tower - 35-storey. Palm Heights is the second phase of Palm City, a complex urban area with full amenities such as shopping mall centers, kindergartens, international and bilingual schools, hospital and green park systems stretching 2,7 kms along the river. Palm Heights will bring a fresh environment to



nature an active lifestyle with a variety of amenities. Toan Cau Building Materials Co., Ltd is proud to provide K-Flex insulation products for refrigeration piping, drainage system for the project.

Investor: Keppel Land

Location: An Phu Ward, District 2, Ho Chi Minh City

· Product: K-Flex insulation





LIM TOWER 3 is a Grade-A office buildings developed by reputable developer, providing premium quality workspace for companies of all types in sizes, located in the CBD of Saigon. Toan Cau is trusted to provide K-Flex insulation for air-conditioning systems and Flamebar BW11 fire rated coating for fire hose systems, meets the high standards of A-class offices.

· Investor: Hoa Lam Group

· Location: 29A, Nguyen Dinh Chieu Street, District 1, Ho Chi Minh City

Product: K-Flex insulation & Flamebar BW11 fire rated coating

SONATUS TOWER

Sonatus Tower was put into operation and exploited for office leasing from the fourth quarter of 2019 with the scale of 4 basements and 25 floors with the total leased area to 37,500m2. It will compensate for the shortage of high-class office in the current financial center area of 1 District, Ho Chi Minh city. TCBM is proud to supply K-Flex insulation and Flexdrop Yong Won for Sonatus Tower.



Investor: Hoang Thanh Joint Stock Company

Location: 15 Le Thanh Ton Street, District 1, Ho Chi Minh City

· Product: K-Flex insulation & Flexdrop Yong Won





An Sinh Hospital is one of the leading general hospitals of international standards, providing high quality medical services. With modern facilities and equipment and a team of good, experienced and dedicated doctors, An Sinh Hospital is a modern general hospital of Vietnamese people of international standards and always serves the best service

for the sick. With quality tested products, K-Flex insulation supplied by Toan Cau is trusted by An Sinh Hospital

· Investor: An Sinh - Phuc Truong Minh Co., Ltd

Location: Me Tri Street, Tu Liem District, Ha Noi Capital

· Product: K-Flex insulation

AN BINH HOSPITAL

An Binh Hospital in Ho Chi Minh City kicked off the first phase of construction renovation project with a total budget of over VND 451.7 billion. Phase 1 will build 12 medical floors and 1 basement, total floor area of 23,000 m2. Phase 1 has 200 inpatient beds, clinics, professional technical areas,... Construction time is 2 years, from 2018 to 2020. Toan Cau Building Materials Co., Ltd is



proud to provide K-Flex insulation products for refrigeration piping, draining systems, ducting systems that require high standards for the project.

· Investor: An Binh Hospital

Location: 7 Ward, District 5, Ho Chi Minh City

Product: K-Flex insulation





Bosch Vietnam Factory is one of the largest automotive components factories in the Bosch Group of Germany, the world's leading supplier of engineering and services in the automotive and electrical field.

The factory is located in Long Thanh Industrial Part in Dong Nai Province. This is the first high-tech automatic transmission factory of Bosch in Southeast Asia and is the

second in the world. With total investment of \$340 million, the Bosch factory will become a part of Bosch's global production system. Toan Cau is pround to contribute to create a high quality project in Vietnam as well as the world.

· Investor: Robert Bosch Viet Nam Co., Ltd

Location: Long Thanh Industrial Park, Dong Nai Province

· Product: K-Flex insulation

MARIGOT VIET NAM 2 EXTENSION FACTORY

Marigot Vietnam 2 Extension Factory is invested by Marigot Vietnam Co., Ltd, a member of the Swarovski Group, based in Australia and Switzerland. With nearly 125 years of establishment and development experience, Swarovski are located in more than 170 countries and the world's leading brand in the fields of jewelry, fashion accessories and decorations. With technical requirements and



high quality standards, Toan Cau is trusted to provide K-Flex insulation for refrigeration pipework, drainage system, ducting system for Marigot Vietnam factory.

Investor: Marigot Vietnam Co., Ltd

Location: Amata Industrial Park, Bien Hoa City, Dong Nai Province

Product: K-Flex insulation





First Solar, Inc. is an American photovoltaic (PV) manufacture of rigid thin film modules, or solar panel, a provider of utility-scale PV power plants and supporting services that include finance, construction maintenance. In Vietnam, First Solar started the first construction in Dong Nam IZ – Cu Chi District, with investment of \$1.2 billion and designed capacity of 250 MW per year.

First Solar always set strict requirements for quality standard of chiller system for its factories worldwide. K-Flex insulation, with its excellent low thermal conductivity and strong resistance to water permeability, is trust to be the insulation product for ACMV system of First Solar Vietnam Factory.

· Investor: First Solar Vietnam Co., Ltd

Location: Dong Nam Industrial Park, Ho Chi Minh City

Product: K-Flex insulation

CO.OP MART TAM BINH

Co.op Mart is one of the largest supermarket chain in Vietnam.

Headquartered in Ho Chi Minh City, Co.op Mart owns amount of branches increasing day by day around the city. Co.op Mart is also known as Saigon Co.op, Coop Mart and Co-op Mart. Toan Cau Building Materials Co., Ltd is proud to provide K-Flex insulation products that meets high standards for the project.



· Investor: Saigon Co.op

· Location: Thu Duc District, Ho Chi Minh City

Product: K-Flex insulation

FLAMEBAR BW11

I. OVERVIEW OF PRODUCTS

1. Historical development

In 1986, Firespray International Limited started research and development of new fire protection systems. This program, launched products FLAMEBAR BW11 ductwork Fire Resistant System (fire protection piping systems) and products are supplied worldwide.

Continues to grow, Firespray continued program of research and development for the prodict launch global FLAMEBAR. Now, Firespray is going on sold and supplied in the UK and other countries around the world including Vietnam.

2. Composition of materials

Flamebar BW11 which is specially formulated water based compound, it is produced based on UK technology. This coating contains selected mineral filters in a low permeability elastomeric binder to a thickness of approximately 0.7mm to give a finished product which has been successfully tested for international use under Cellulosic Fire Condition in excess of 4 hours duration with very easily installation, just spraying onto the ductwork's surface after cleaning. As well as being used for Fire Rated Smoke Extract, Kitchen Exhaust and Pressurisation Ductwork systems, can also be used instead of drywall fire rated shafts. The completed system has been tested accredited by BRE to BS476 Part 24 (1987), classified by UL to ISO 6944 (1985) (2008) up to temperature of 1133oC and also LEED Certification.

3. Applications

The application of Flamebar BW11 is resistant for Smoke Outlet Ductwork Systems, Kitchen Extract Systems, Basement and Enclosed Car Park Extract Systems, Pressurisation Ductwork Systems in buildings.



Installation (described in detail how to install, with technical drawings illustration)

II. SPECIFICATIONS



- 1. Fire rated material is Flamebar BW11 Coating.
- 2. All fire rated ductwork to be Galvanised Iron, Stainless Steel (or Mild Steel Duct with Antirust Primer), constructed to tested standards and protected with fire resistance coating. The duct to be composite fire duct manufactured to Method 3 of BS5588 Part 9, factory or site produced. Ductwork to be produced in sections and is assembled on site utilising tested fireproof gaskets/sealants. Once erected, to be pressure tested, if required by Engineer, to DW144 and/or SMACNA standards, in line with the pressure classification of the duct being installed. The coating shall be of minimum 0.7mm (dry film) thickness.
- Fire rated ductwork systems tested for up to 2 hours for Stability, Integrity in accordance with BS476 Part 24 (1987) and ISO6944 (1985) for both type A (fire outside) and B (fire inside) fires.
- 4. All ducts and plenums denoted on the drawings as being fire rated shall have a construction that give a minimum of 2 hours fire rating subject to the approval of Local Police Fire Department.
- All fire retardant gaskets and intumescent acrylic sealants to be non-combustible and installed as fire tested to BS476 Part 24 and shall be supplied by the same manufacturer.

III. INSTALLATION

The fire duct support system should be located at a maximum of 1500mm centres, the size of the hangers and bearers upgraded to account for reduction in tensile strength of steel due to fire. Proof, in the form of tesst or assessment report to BS476 Part 24 and ISO 6944 that suitable size hangers and bearers upgraded to account for the reduction in tensile strength of steel due to fire from 430N/mm2 to 10N/mm2 for 2 hours, shall be submitted.

The fire rated ductwork must be manufactured and erected in line with the requirements of BS476 Part 24 (1987) and ISO 6944 (1985)

HO CHI MINH CITY URBAN RAILWAY CONSTRUCTION BEN THANH - SUOI TIEN SECTION (LINE I)

Ho Chi Minh City Urban Railway is
the second railway in Vietnam
including 8 urban railways with a
total length of 169 km. Section 1
extends from Ben Thanh
(downtown area) to Suoi Tien (the
gateway connects the city and Binh
Duong & Dong Nai province).
Urban railway is an important
transport strategy of Ho Chi Minh City.



Toan Cau Building Materials Co., Ltd is proud to provide Flamebar BW11 fire rate coating, K-Flex insulation, Flexdrop Yong Won products for the project

- · Investor: Management authority for urban railways Ho Chi Minh city
- · Location: Ho Chi Minh City
- Product: Flamebar BW11 fire rated coating K-Flex insulation Flexdrop Yong Won

VIETNAM GOVERNMENT OFFICE BUILDING



Located at 01 Hoang Hoa Tham, Ba Dinh district, Hanoi Capital, Government office building is a special project with 9 floors. This is the palace where important activities of the Vietnamese government take place. Therefore, the products used to build this construction were selected rigorously. Meeting the high-quality international standard, TCBM is proud

to supply Flamebar BW11 for the ductwork systems. This is one of big motivations for TCBM to improve our quality of products and services, in order to continue contributing to the country's important projects.

- · Investor: The Government
- Location: 01 Hoang Hoa Tham Street, Ba Dinh District, Ha Noi Capital
- · Product: Flamebar BW11 fire rated coating



VINHOMES METROPOLIS

Vinhomes Metropolis Lieu Giai will become to trendy 5-star utilities for high-end living. Located in the heart of a growing city at the speed of the world, prospective residents of the Metropolis Lieu Giai will enjoy the most ideal living values. Toan Cau Building Material Co., Ltd is trusted to provide Flamebar BW11 fire rated coating for the project.

· Investor: Vingroup

Location: 29 Lieu Giai Street, Ba Dinh District, Ha Noi Capital

· Product: Flamebar BW11 fire rated coating & Flexdrop Yong Won

KINGDOM 101

Kingdom 101 is a luxury apartment project in the central area of Ho Chi Minh City deploy on a land area of Ho Chi Minh City deployed on a land area of 30,000m2. The project has 3 towers with scale of 30 floors. Kingdom 101 is designed, constructed and managed by leading units with outstanding exterior utilities. Kingdom 101 is expected to become a new green living space of the city's people.

Toan Cau Building Marterials Company is proud to be the supplier Kingdom 101 with three products (K-Flex

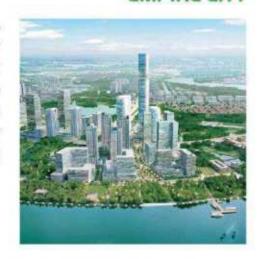


insulation, Flamebar BW11, Flexdrop Yong Won). We trusted that our product are chosen for this project because we can meet high-quality requirements.

- · Investor: Indochina Urban Development Company (Hoa Lam Group)
- Location: To Hien Thanh Street, 14 Ward, District 10, Ho Chi Minh City
- Product: K-Flex insulation Flamebar BW11 fire rated coating Flexdrop Yong Won

EMPIRE CITY

Empire City is a Keppel Land apartment project in Thu Thiem urban area, District 2. The Empire City Thu Thiem project is a super product with the most luxurious design in Saigon. Especially in Empire City, there is 88-storey building. It looks like a paradise garden in the air. With high quality products, Flamebar BW11 fire rated coating supplied by Toan Cau is trusted by Empire City.



- Investor: De Vuong Company (Keppel Land Vietnam & Tien Phuoc & Gaw Capital Partners)
- · Location: District 2, Ho Chi Minh City
- · Product: Flamebar BW11 fire rated coating

SALA DAI QUANG MINH URBAN AREA



Located in the best position in Thu Thiem with modern and convenient infrastructure, Sala Urban is the first residential project at Thu Thiem new urban area. The project is surrounded by the Saigon River and 220 hectares of natural eco forestry park of Thu Thiem... TCBM is proud to supply Flamebar BW11 for the fire rated ductwork systems and Flexdrop Yong

Won for the projects at Sala Dai Quang Minh urban area.

- · Investor: Dai Quang Minh Joint Stock Company
- · Location: Mai Chi Tho Street, District 2, Ho Chi Minh City
- · Product: Flamebar BW11 fire rated coating & Flexdrop Yong Won

OPAL TOWER



The 41-storey Opal Tower consists of high-class apartments, high-class offices and utility shophouse on the podium, high-class apartment building- office for customers such as successful businesses, entrepreneurs and residents want to live in a comfortable and upscale environment. In addition to the common facilities that are available at the Saigon Pearl complex, in the building there will be an international standard kindergarten, overflow pool, gym, community lounge ... creating a utility system in the building. Class service for residents of the

building. With high quality requirements, Flamebar BW11 fire rated coating supplied by Toan Cau is trusted by Opal Tower.

Investor: Vingroup

Location: 29 Lieu Giai Street, Ba Dinh District, Ha Noi Capital

Product: Flamebar BW11 fire rated coating & Flexdrop Yong Won

DEUTSCHES HAUS

Deutsches Haus is an outstanding project of Germany in Vietnam as well as South East area. This is a strategic and friendly cooperation between Germany and Vietnam. Deutsches Haus is a high-class office building which is rated A+ level with LEED Gold Prize Certificate awarded by US Green Building Council (USGBC). This building could provide a real square of for rent with 4 basements and 25 floors above. This place is also the location of German Consulate General in Ho Chi Minh City. Flamebar BW11 is totally used for all fire rated ductwork of Deutsches Haus.



Investor: Deutsches Haus Ho Chi Minh Stadt

Location: 33 Le Duan Street, District 1, Ho Chi Minh City

Product: Flamebar BW11 fire rated coating

CAM RANH INTERNATIONAL AIRPORT

Cam Ranh International Airport is located on Cam Ranh Bay, Khanh Hoa Province. It serves the city of Nha Trang, which is 30-km far from the airport. This airport handled 4,858,362 passengers in 2016, 8.5 million passengers in 2018, and is estimated to handle 10 million passengers in 2019. This is the only airport in Vietnam that handles more international passengers than domestic passengers. 70% total passengers are international in 2018. It is the fourth busiest airport in Vietnam. TCBM is proud to supply Flamebar BW11 for the fire rated ductwork systems for Cam Ranh International Airport.



- Investor: De Vuong Company (Keppel Land Vietnam & Tien Phuoc & Gaw Capital Partners)
- · Location: Cam Ranh Khanh Hoa province
- · Product: Flamebar BW11 fire rated coating

CHILDREN 3'S HOSPITAL



The hospital is located at 15 Ho Chi Minh City - Trung Luong Highway in Tan Kien Commune, Binh Chanh District. This is the first hospital in Tan Kien High-tech Medical Area under the Planning scheme of the Ho Chi Minh City Health Care Network to 2020. Its mission is to provide high-quality medical care for the people of the city, the southwestern provinces and

focusing on developing specialized techniques on a par with other countries in the area.

· Investor: Ho Chi Minh City Department of Health

Location: Binh Chanh District, Ho Chi Minh City

Product: Flamebar BW11 fire rated coating

FLEXDROP YONG WON

I. OVERVIEW OF PRODUCTS

1. Historical development

- Yong Won company was established in 2000 and incorporated in New Jersey.
- Yong Won is a leading manufacturer of flexible sprinkler hose more than 25 years and exporting
 Flex Drop to Europe, Asia, Middle East, Australia and USA

2. Composition of materials

Hoses made from Stainless Steel. There are two types of pipes, hose with Stainless Steel braided (pipe with protective layer made of stainless steel) and the other – unbraided, there is no protective layer, this kind has price lower.

3. Notation

- STS 304: Stainless Steel 304
- SPSR 400: Steel Pipe Structural Rectangular 400
- SS 400: Steel Structure 400
- SPPS: Steel Pipes for Pressire Service

II. SPECIFICATION

- Inlet Connection: DN25 Male BSP or NPT Thread.
- Outlet Connection: 1/2" or 3/4" Female NPT Thread.
- Interal Diameter: 25mm or 25mm.
- Rated Pressure: 200 Psi (13.8 bar).
- Maximum Temperature: 300oF (149oC).
- Minimum Bending Radius: 3 inch (76mm).
- Hose length: 700mm (28"), 1000mm (40"), 1200mm (47"), 1500mm (59"), 1800mm (71")
 and other lengths on request.
- Bar length: 700mm (28"), 1000mm (40") and other length available.



III. THE FEATURES OF FLEX DROP YONG WON

Flexdrop Yong Won - Flexible hoses are used to connect the main water pipe and sprinkler in the fire fighting system. Because this tube is flexible so easily in the arrangement of the sprinkler. Product is the integration of high-quality parts as Stainless Steel braided or unbraided corrugated hose, pipe reducer, pipe clamps, pipe supports and bars. Yong Won have been certified by UL, FM Approved, Flexdrop Yong Won is used for large projects such as Ho Chi Minh Urban Railway, Kingdom 101, Friendship Tower, Vinhomes Central Park,...

The superiority of Flexdrop Yong Won is alternative for metal pipe because of its benefits:

- 1. Economy: Savings in labor cost, no need of equipment, machines and power tools.
- 2. Time Savings: 4 times faster compared to traditional hard pipe installation.
- Safety: Less risk of water damage (once water is charged in rough-in stage, no drain is necessary). No fumes, smokes, noise and accidents from machines.
- Convenience: Eliminates work inconvenience. Easier to bend and maneuver in congested ceiling space and adjustment can be made easily.
- 5. Reusable and construction advantage: Flexdrop system can be reinstalled in another area if the system needs to be dismantled. Adjustments can e made to ceiling levels after installation without impacting sprinklers and drops as well.

IV. FLEXDROP COMPONENTS









Friendship Tower is a LEED certified grade A office building located in Ho Chi Minh City at 31 Le Duan Street, District 1. The refined and iconic design and its strategic position in one of the most renowned street right in the heart of the city which make this building the perfect destination for local and international dynamic companies. The 21-storey tower provides approximately 13700 square meters of prime leasable space and a very high level of flexibility in configuration, with office sizes largely variable from 200 sq.m up to 1450 sq.m of usable space. Friendship Tower aim to be the ideal placement for western

firms developing their activity in Vietnam and South East Asia region and for Vietnamese companies. Flexdrop Yong Won and Flamebar BW11 fire rated coating was trusted to be provided for Friendship Tower.

· Investor: CZ Slovakia Vietnam Co., Ltd

· Location: 31 Le Duan Street, District 1, Ho Chi Minh City

Product: Flexdrop Yong Won & Flamebar BW11 fire rated coating

D26 - VIETTEL LANDMARK TOWER

Located in D26, Cau Giay Ward, Ha Noi City. Viettel Landmark Tower is 60 floors with charming beveled curves, the exterior of the building is lined with horizontal stripes. Ceramic printed glass to create gentle white curves. The design concept was taken from the logo of the Military Telecommunications Group which symbolizes the harmony between heaven,



earth and people, the symbol of Yin and Yang. Addition to, combined with the view of continuous movement, continuous creation - the factors that make Viettel successful today. Flamebar BW11 is used for all fire rated ductwork system of Viettel Landmark Tower.

· Investor: Viettel Group

Location: Cau Giay District, Ha Noi City

· Product: Flamebar BW11 fire rated coating



VINHOMES CENTRAL PARK

Vinhomes Central Park is Vingroup's first major project in Ho Chi Minh City. It inspired by Central Park in New York. Vinhomes Central Park is located in an extremely prime location in the center of Ho Chi Minh City. The highlight of the project is the Landmark 81 building of 461.3m high and 81 floors. Landmark 81 is the tallest building in Vietnam, the

highest in Southeast Asia and the 16th highest in the world as of 2019. TCBM is proud to supply Flamebar BW11 fire rated coating and Flexdrop Yong Won product for Vinhomes Central Park.

- · Investor: Vingroup
- Location: Nguyen Huu Canh Street, 22 Ward, Binh Thanh District, Ho Chi Minh City
- · Product: Flamebar BW11 fire rated coating & Flexdrop Yong Won

VINHOMES GARDENIA

Inspired by the image of pure Western jasmine, "Ban Mai City – Vinhomes Gardenia" is designed based on the principle of green – fresh and harmonious between people and nature by two world well-known brands are CPG (Singapore) and West Green (Canada). Vinhomes Gardenia is the first project of the Vingroup which owns a wide variety of real



estate properties, from apartments and duplex penthouses apartments (at the Arcadia Subdivision), to villas, adjoining villas and shop house (At the Botanica Subdivision).

- · Investor: Vingroup
- Location: Ham Nghi Street, Cau Dien Ward, Nam Tu Liem District, Ha Noi Capital
- · Product: Flexdrop Yong Won





Serenity Sky Villas is developed by SonKim Land, including 45 luxury apartments from 1-4 bedrooms and Penthouse. Inspired by tropical villas, each apartment has its own garden and pool. Serenity Sky Villas is expected to provide the upper class with a luxurious, free living space, enhanced emotions and modern lifestyle in the city center. TCBM is proud to supply Flexdrop Yong Won product for Serenity Sky Villas.

Investor: Serenity Sky Villas Joint Stock Company (Son Kim Land)

Location: 259 Dien Bien Phu Street, District 3, Ho Chi Minh City

Product: Flexdrop Yong Won

HA DO CENTROSA

Hado Centrosa Garden is a complex area planned synchronously with modern facilities of large scale in the center of Ho Chi Minh City, located at 3 Thang 2 Street, 12 Ward, District 10, Ho Chi Minh City. Stemming from the idea aspiration to rise and shine of Ha Do brand's, along with the dedication to building an urban area of modern architectural style in a fresh

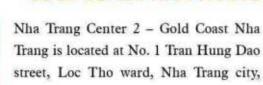


atmosphere, close to nature, HaDo Centrosa Garden project was born with the mission of bringing the experience of a happy life to customers. With the model of green and modern architecture, the apartments are smartly designed to optimize the area of use and maximize the harmony with nature by lots, glass walls and door systems.

Investor: Ha Do Group

Location: 3 Thang 2 Street, 12 Ward, District 10, Ho Chi Minh City.

· Product: Flexdrop Yong Won



Trang is located at No. 1 Tran Hung Dao street, Loc Tho ward, Nha Trang city, Khanh Hoa province, is one of the most expensive locations on Vietnam's tourism today. Making the most of the location advantage, Condotel's apartments are designed sea views and many outstanding utilities to bring absolute value to the

GOLD COAST NHA TRANG

guests and profits for investors. Gold Coast project with 40 floors of international stature is the focus of Nha Trang city. The project owns 13 bustling commercial floors with many 5-star utilities and 918 luxury apartments and hotel rooms.

Investor: Thanh Yen Joint Stock Company

· Location: Nha Trang City, Khanh Hoa Province

Product: Flexdrop Yong Won

COCOBAY DA NANG

Located at Truong Sa street - Hoa Hai ward - Ngu Hanh Son district - Da Nang city. Cocobay Danang holds all the deciding factors for a project of the most expensive leisure and entertainment project today. The language project at a central location between Da Nang - Hoi An, Cocobay Tourism & Entertainment Complex is like a beautiful jewel that stands out in the



poetic scenery of Danang's sky. With a total area of nearly 31 hectares, including a dreamy green beach stretching 600 meters, Cocobay brings unprecedented experiences in tourism, accommodation and entertainment and is a new symbol of trendy lifestyle.

Investor: Empire Group

Location: Ngu Hanh Son District, Da Nang City

· Product: Flexdrop Yong Won

AEON HA DONG



A must-visit destination right in the strategic traffic area of the Southwest, AEON MALL Ha Dong is the second Japanese shopping 10 hectares, accommodating up to 2,100 cars and more than 9,000 motorcycles. As one of the largest shopping centers in Vietnam, AEON MALL Ha Dong proudly presents dynamic mix of around 220 stores including AEON GMS and many popular and trendy brands

from Vietnam and other countries with services and entertainment suitable for all families. Coming to AEON MALL Ha Dong, customers will have opportunity to experience shopping space pulsing with Japanese style and energy. AEON MALL Ha Dong offers visitors countless options from fashion, cosmetics, household appliances to cinema and large entertainment area. With diverse food selections from a unique dining area, AEON MALL Ha Dong is undoubtedly a trendy food destination to satisfy every palate.

Investor: AEON GROUP

Location: Duong Noi Ward, Ha Dong District, Ha Noi Capital

Product: Flexdrop Yong Won

VAN HANH MALL

Located in a prime location in the heart of district 10 with a total construction area of up to 90,000 m2, Van Hanh Mall features a contemporary design including 1 basement and 7 commercial floors. The unique highlight of the building is the symbolic dome inspired by the legendary Eastern architecture, with a 9-storey floating parking system stretching from the basement to the 5th



floor with a capacity of over 3,000 motorcycles and 350 cars. Commercial scale with approximately 55.000m2, Van Hanh Mall is a convergence of more than 200 stores and brand reputation at home and abroad to meet the diverse needs of fashion shopping, cosmetics, furniture, appliances to food, education, and entertainment. Van Hanh Mall is proud to create an ideal shopping space and bring great experiences for customers.

· Investor: Bac Binh Construction Investment Co., Ltd

Location: Su Van Hanh Street, District 10, Ho Chi Minh City

Product: Flexdrop Yong Won

CONSTRUCTION

TCBM's construction department has been established and our goal is to serve - satisfy customers. In order to assess the quality of any construction project, the finishing stage must be followed and supervised tightly. In this stage, quality and aesthetic thinking of products will be formed. This means the ability and responsibility of the construction team in each project must be equal to the value of the product.



Therefore, TCBM's technical section and construction always orients to train and improve construction skills and characteristics of product inland and in foreign countries. Having thoughtful- ly understanding of products helps the technical section be more confidential to advise customers and give reasonable and economical solutions for investors.

With more than 10 years of experience, TCBM's construction department strengths come from healthy resources and a dynamic and in-depth knowledgeable team of advisors, engineers, technicians. We have advised and executed constructions which needed high and strict quality as well as aesthetic of products and the professionalism is maintained all over project development.



Through the developing process, TCBM is committed to offer excellent products, con ¬sistent quality and unequalled service. We, TCBM guarantee "Bring customers pleasure and satisfaction in the well facilitated living space".

MARINA SQUARE PHU QUOC



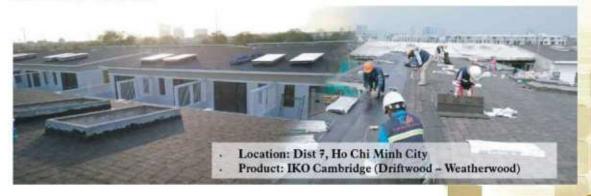
VAN PHUC CITY



VICTORIA VIILLAGE



MIZUKI PARK







BAI DUA RESORT



TAY NINH CABLE CAR



GOLF CLUB HOUSE NAM HOI AN



KINGDOM IOI



EMPIRE CITY



GOLDEN PALM



VIETCOMBANK HUNG YEN





THANK YOU FOR YOUR TRUST & COOPERATION

