



# INSULATION



KOREA, BUSAN FACTORY (KANGRIM INSULATION)



KANGRIM INSULATION CO., LTD.



# KANGRIM FACTORY LOCATION



**CHANGZHOU FACTORY**

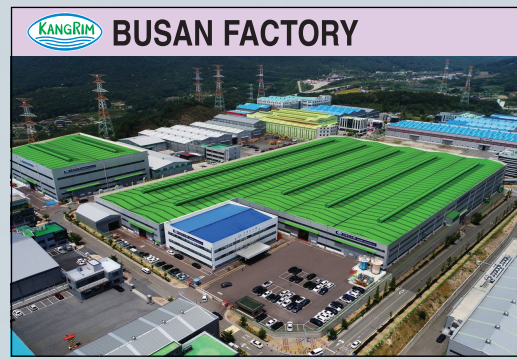
**POHANG FACTORY**

**CHANGWON FACTORY**

**BUSAN FACTORY**

## FACTORY PROFILE

KOREA CHANGWON	• AREA : 69,300 m <sup>2</sup>	• BUILDING : 52,800 m <sup>2</sup>
KOREA POHANG	• AREA : 168,300 m <sup>2</sup>	• BUILDING : 105,600 m <sup>2</sup>
KOREA BUSAN	• AREA : 46,200 m <sup>2</sup>	• BUILDING : 64,350 m <sup>2</sup>
CHINA CHANGZHOU	• AREA : 66,000 m <sup>2</sup>	• BUILDING : 33,000 m <sup>2</sup>



※Remark : Some contents of this catalogue are subject to change without notice.

# INSULATION PRODUCTS

- LNG (Membrane) Cargo Tank Insulation  
(GTT MARK III / MARK III Flex / NO96 L03, KOGAS KC-1 / KC-2)
- LNG/LEG/LPG Cargo Tank Insulation  
(Panel / Foam-In-Situ / Spray type, IHI SPB type)
- LNG/LEG/LPG Cargo Pipe Insulation
- Plant / Offshore (FLNG) / Onshore Insulation
- LNG Receiving Terminal Insulation
- Cold Provision Stores
- Cargo Hold Insulation (Reefer Vessel, Juice Carrier, etc)

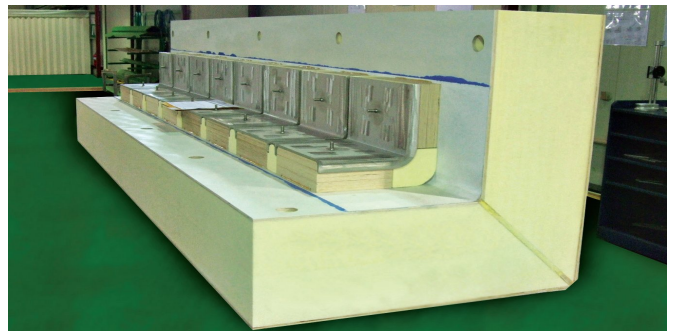


# LNG CARRIER

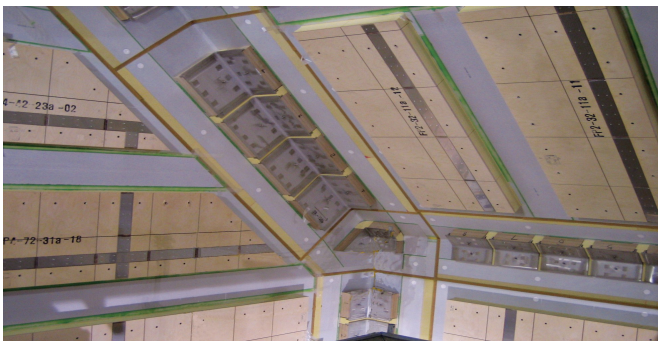
## TANK INSULATION (GTT, MARK III / NO96 L03 TYPE)



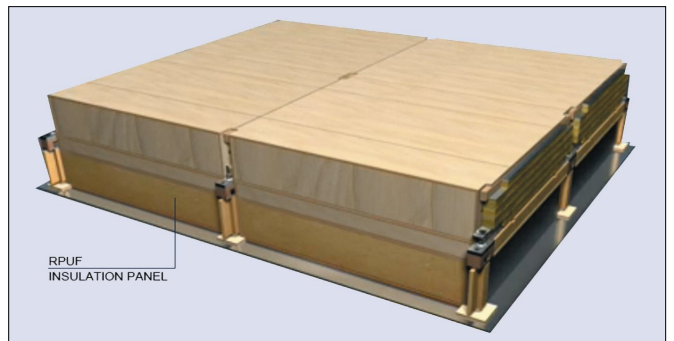
Mark III Flex 135° Corner Panel



Mark III Flex 90° Corner Panel



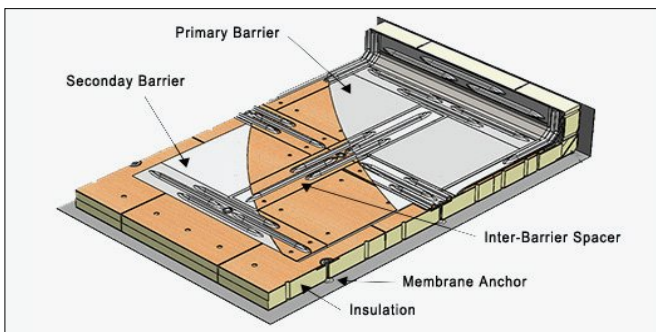
Elected Mark III Insulation Panel



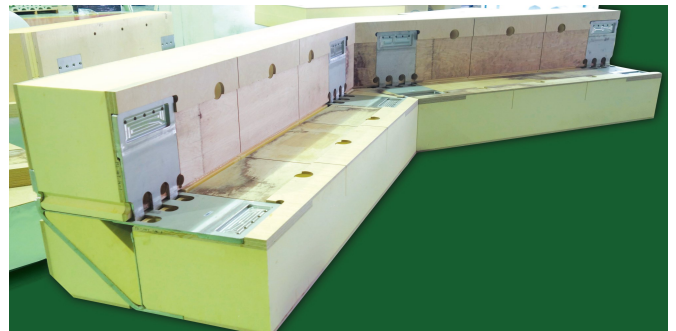
NO96 L03 Insulation Panel

# LNG CARRIER

## TANK INSULATION (KOGAS, KC-1 / KC-2)



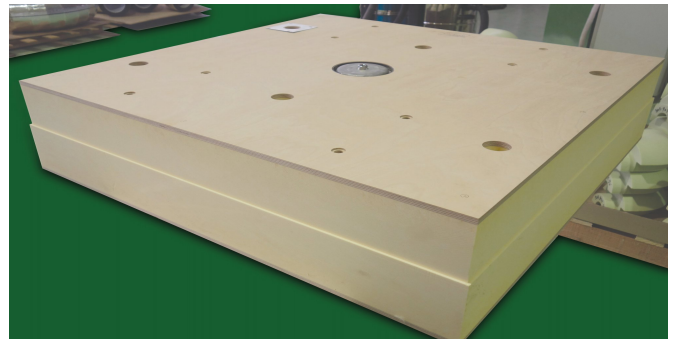
KC-1 Insulation System



KC-1 Corner Panel



Erected KC-1 Insulation Panel



KC-1 Flat Panel

# LNG/LEG/LPG CARRIER

## TANK INSULATION (PANEL TYPE)



Prismatic Type Tank Insulation



BiLobe Type Tank Insulation



Cylindrical Type Tank Insulation

# LNG/LEG/LPG CARRIER

## TANK INSULATION (SPRAY TYPE)



Upper Block Insulation



Bottom Block Insulation



BiLobe Type Cargo Tank Insulation

# LNG / LEG / LPG CARRIER

## TANK INSULATION (FOAM-IN-SITU)



Upper block Insulation



Lower block Insulation



Prismatic Type LPG Cargo Tank Insulation



# LNG FUEL TANK/BUNKERING VESSEL

## TANK & PIPE INSULATION



LNG Tank Insulation for Bunkering Vessel



LNG Pipe Insulation for Fuel Tank

# LNG CARRIER

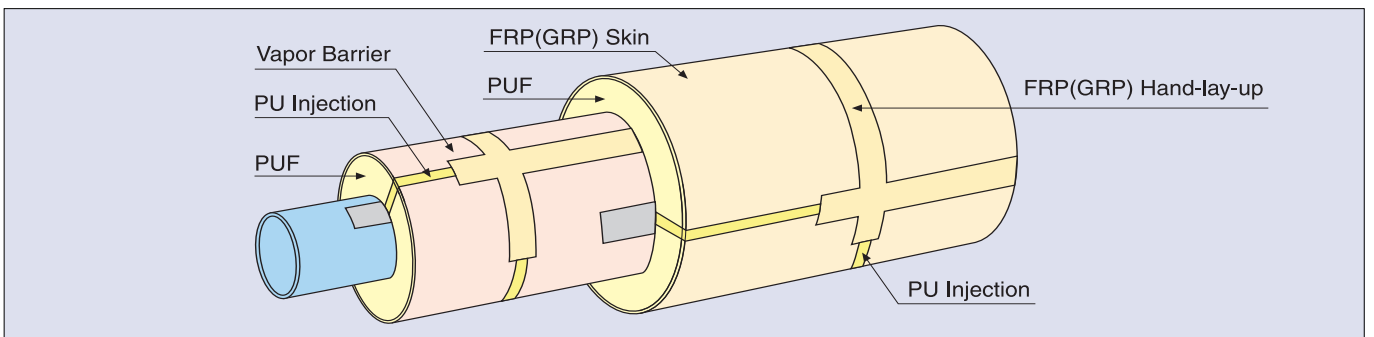
## PIPE INSULATION



Moss Type LNG Carrier Pipe Insulation



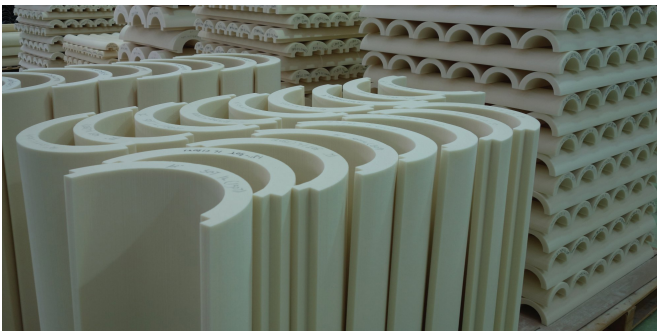
Moulded Sections of Pipe Insulation



Insulation Construction

# LEG / LPG CARRIER

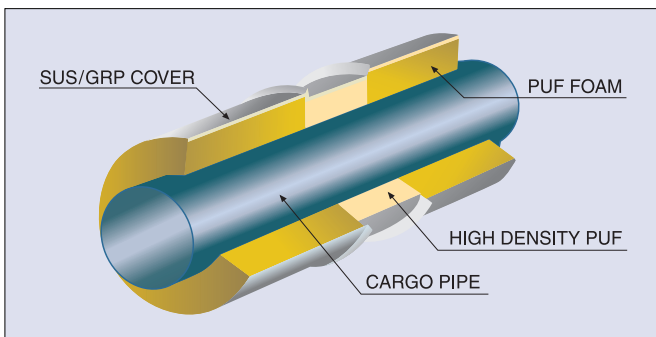
## PIPE INSULATION



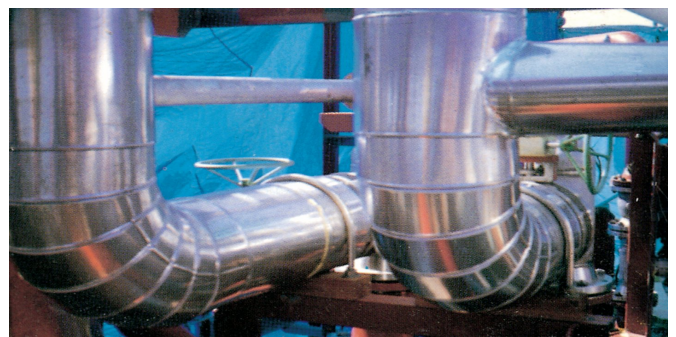
PUF Pipe Cover Sections



GRP Cladding Erection



Insulation Construction



SUS Cladding Erection

# FLNG / OFFSHORE

## TANK & PIPE INSULATION



Pipe Insulation for FLNG Top Side ▶



PMR & Ethane Tank Insulation for FLNG



Vessel Insulation for FLNG Top Side

# ONSHORE/PLANT

## TANK & PIPE INSULATION



Cold Insulation



Vessel Insulation



Vessel Insulation

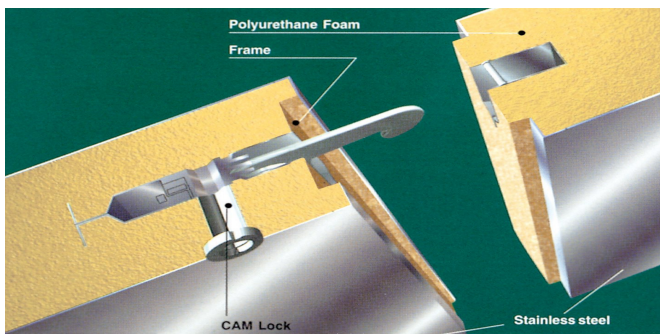


Sound Insulation



Personal Protection

# COLD PROVISION STORES FOR SHIP



Easy Assembling at Site by Cam Lock System



Stainless Steel Shelf



Cold Chamber for Cruise Ship



Insulation Door for Cruise Ship

# LNG RECEIVING TERMINAL

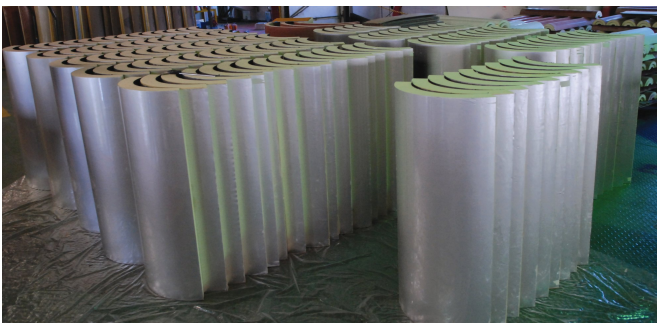
## TANK & PIPE INSULATION



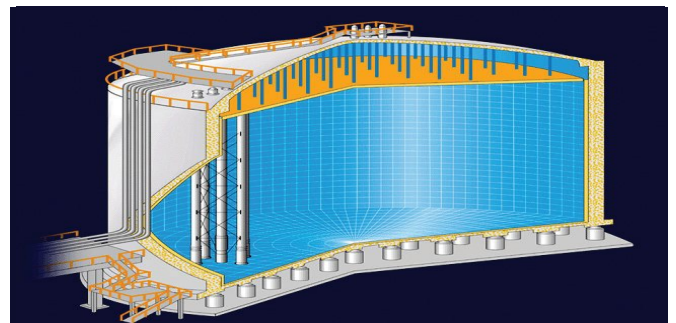
LNG Terminal Pipe Insulation



SNG Pipe Insulation



PIR Pipe Cover



LNG Terminal Tank Insulation

# RIGID PIR/PUR FOAM



PIR/PUR Foam Block



Continuous Foaming Line

Name	Norminal Density(kg/ m <sup>3</sup> )	Blowing Agent	Operating Temp(°C)	Test Method
KRFOAM	35, 40, 50, 60 160, 320	HCFC, HFC CO <sub>2</sub>	Max. +120 Min. -200	ASTM D1622, D1621, D1623, C518, D6226, E84, DIN4102 Class B2

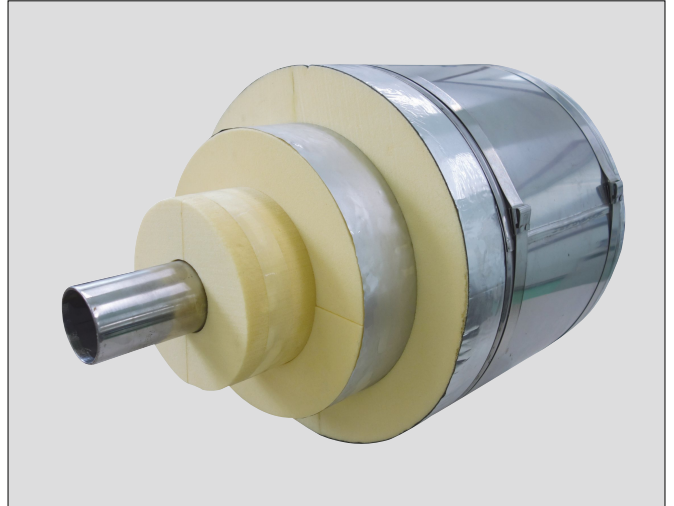
- Other density and specificated products can be supplied according to order specification.



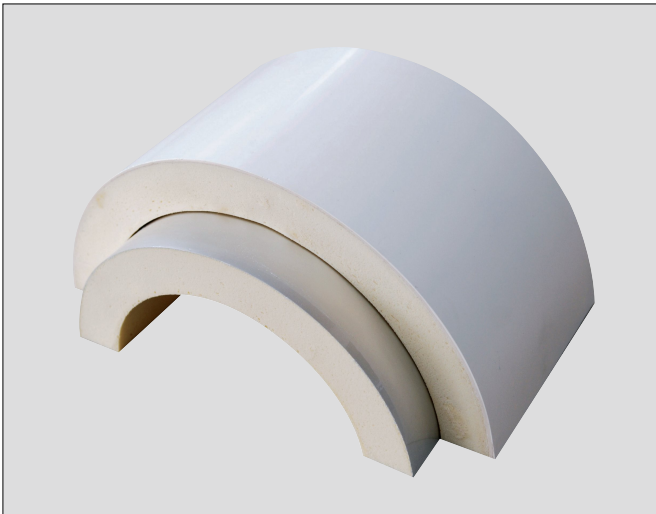
# PIR/PUR PIPE COVER



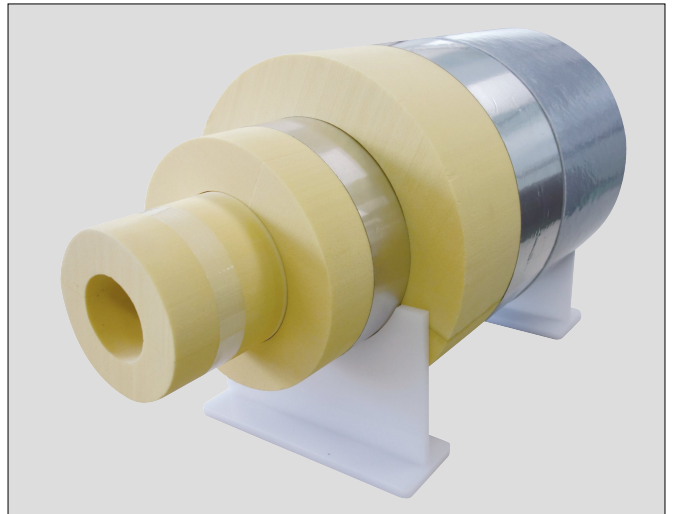
3D Cutting ELBOW Cover



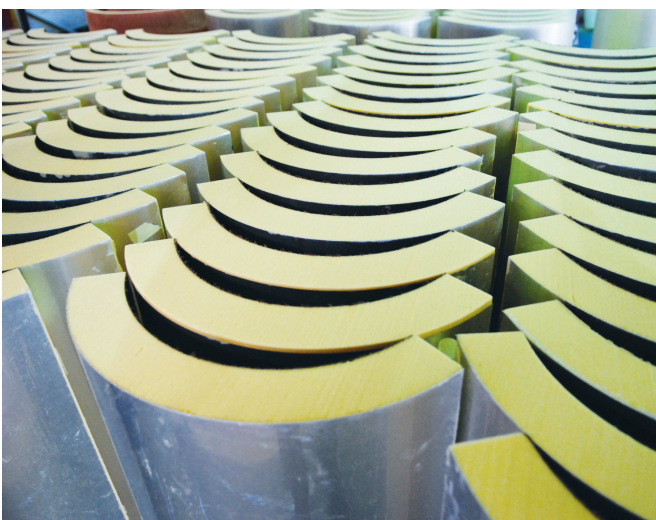
PIR/PUR Pipe Cover with SUS Jacketing



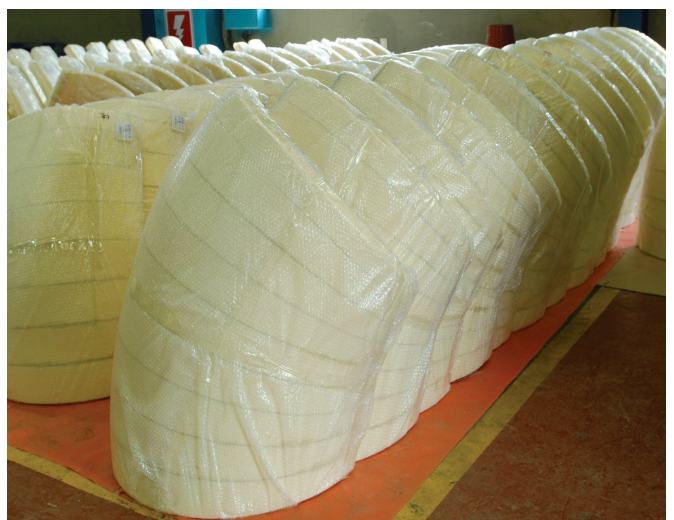
PIR/PUR Pipe Cover with GRP/FRP



PIR/PUR Pipe Cover with UV Cured GRP



PIR/PUR Pipe Cover with Al. Foil



PIR/PUR Elbow Cover

# SERVICE NETWORK

## WORLD WIDE SERVICE STATIONS

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※Remark : Some contents of this document are subject to change without notice.

# SERVICE NETWORK

## WORLD WIDE SERVICE STATIONS

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Metalock  
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E-mail: shiprepair@vogler.net

### U.S.A

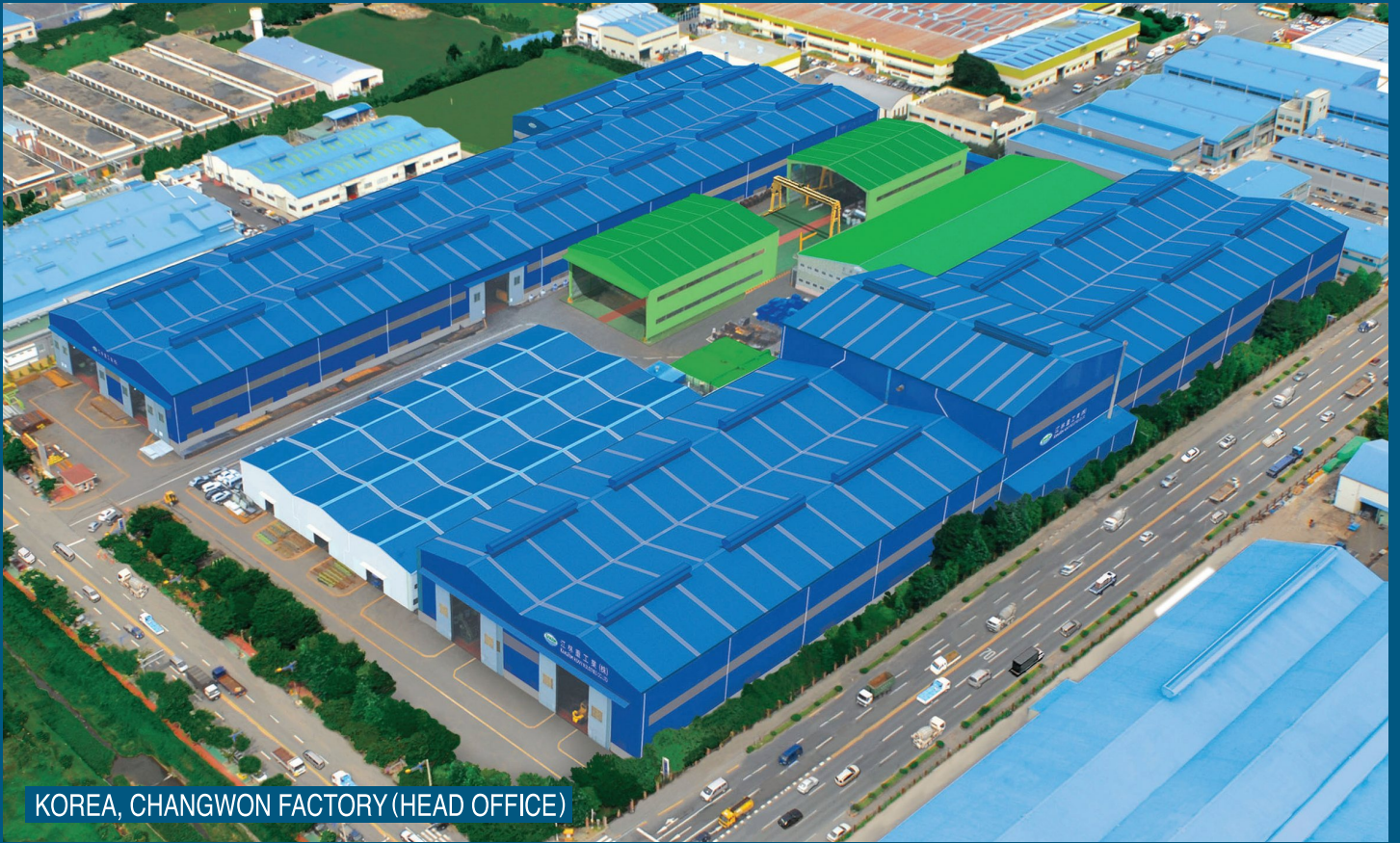
Walashhek Industrial & Marine, INC.  
3411 Amgerst Street Norfolk, VA 23513  
U.S.A  
Tel: +1-757-995-4149  
E-mail: dion@walashhek.com

■ Note : It is possible to directly contact Kangrim's several service networks. But we would appreciate that you firstly contact the service team of ★★ Kangrim head office(Korea). They will connect several service networks to suitable each situation for smooth communication and proper service. (e-mail: service@kangrim.com / Tel: +82 55 269 7988)



KANGRIM INSULATION CO., LTD.





KOREA, CHANGWON FACTORY (HEAD OFFICE)



CHINA, CHANGZHOU FACTORY

KOREA, POHANG FACTORY



**KANGRIM INSULATION CO., LTD.**

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