COMPANY PROFILE

- Blast-proof doors
- Watertight doors
- Airtight doors
- Shielding doors
- Bullet-proof doors
- Blast-Resistant Containers
- Other specialty doors

SH도어텍(주)
SH DOOR TECH CO., LTD.

INTRODUCTION

SH Doortech Co., Ltd. is a specialized firm dedicated to the design, manufacture, and installation of special-purpose doors. Founded to enhance national defense, disaster prevention, and industrial safety, we leverage our advanced technological expertise to deliver superior protection solutions.

We have successfully manufactured and installed high-pressure blast-proof doors rated at 50 bar. We achieved 'Class 2, Level A' certification from the Korea Gas Safety Corporation (KGS) after passing their blast verification test (10 bar). Notably, we designed and constructed Korea's first and only indoor blast test facility at the Agency for Defense Development (ADD). This facility is fully operational and consistently validates the reliable performance of our products.

Furthermore, we hold numerous patents for blast-proof, shielding, and airtight doors. We are actively expanding globally, adhering to international standards such as ISO 9001 & 14001, UL 10B, and UL 752 Levels 7 & 8.

PRODUCTS

BLAST-PROOF DOORS

Safeguard individuals and mitigate damage to essential facilities from explosions and blast waves resulting from accidents or experiments.

BLAST-PROOF CONTAINERS

These are portable explosion-resistant structures designed for locations requiring temporary installations or serving secondary functions, such as break rooms and measurement areas.

AIRTIGHT DOORS

These doors prevent the ingress of contaminated air into clean environments and are utilized in chemical, biological, radiological, and nuclear facilities, as well as in research laboratory clean rooms and BL3 facilities.

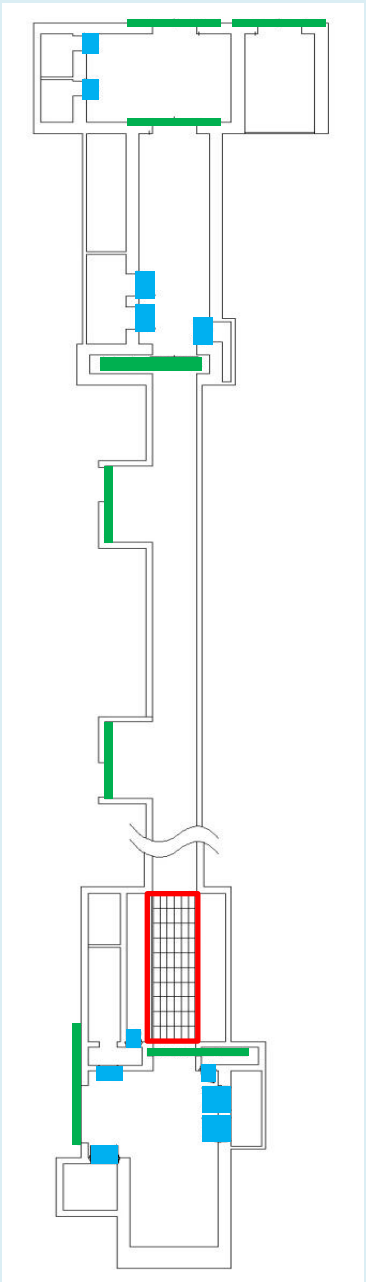
WATERTIGHT DOORS

These structures mitigate flooding damage resulting from extreme weather events, such as typhoons and heavy rainfall, sewage backflow, and vulnerabilities in flood-prone areas.

SHIELDING DOORS

These doors incorporate specialized shielding materials to safeguard equipment and personnel from invisible radiation, electromagnetic waves, or magnetic fields.

STRENGTHS

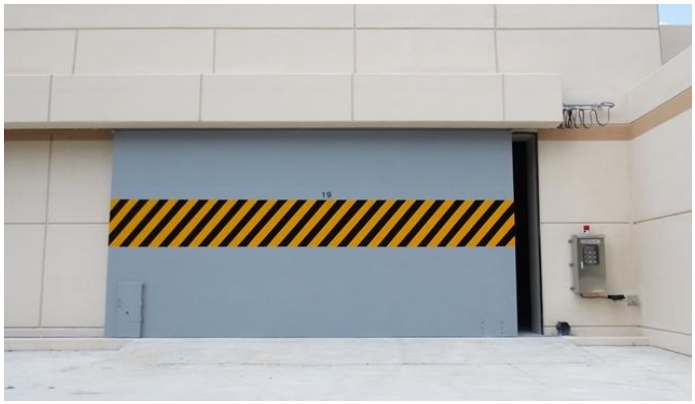


Layout

- Sliding door
- Hinged door
- Cylindrical structure

Unrivaled Technology

- SH Doortech is the only company in Korea—and the fourth globally—to establish an indoor blast test facility.
- Recognizing our superior technology through a rigorous technical evaluation, the Agency for Defense Development (ADD) selected us to design, manufacture, and install this facility.
- Currently, the facility continues to validate the reliable blast-proof performance of our products through ongoing tests



STRENGTHS

Certified Manufacturing Excellence

- We are a certified manufacturer of blast-proof doors equipped with proprietary technology.

- We successfully passed the explosion verification test by the Korea Gas Safety Corporation (KGS) for single-sliding and double-swing blast-proof doors, obtaining the 'Class 2, Level A' certificate—a mandatory requirement for defense projects.

- Furthermore, we hold a test report from the ADD validating 40-bar performance, demonstrating our capability to build high-performance doors rated for 50 bar or higher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Number of Page

KGS 제품인증마크 인증서
(KGS Mark Certificate)

인 증 서 번 호
Ref. Cert. No.
KAS-KGSE-0080

인증스킴:
Certification Scheme
TYPE III

신 청 인:
Client
SH도어텍(주)
SH DOOR TECH CO., LTD.
주 소:
Address
충북 충주시 용탄농공2길 19
19, Yongtannonggong 2-gil, Chungju-si, Chungcheongbuk-do, 27432, Korea
대 표 자:
CEO
강 남 기
Kang, Nam-ki

공 장 명:
Factory
SH도어텍(주)
SH DOOR TECH CO., LTD.
주 소:
Address
충북 충주시 용탄농공2길 19
19, Yongtannonggong 2-gil, Chungju-si, Chungcheongbuk-do, 27432, Korea

인 증 제 품 : Certified Product	제품명(Product name)	모델명/형식(Model / Type Ref.)
	방폭문 (Blast door)	SH22-SS-BPD-001/ 슬라이딩&단개형 타입 (Sliding & Single door type)

시험된 제품시료는 우측 해당규격에 적합함을 증명함. A sample of the product was tested and found to be in conformity with	규격(STANDARD)	EDITION
	화생방 방호설비 성능·인증 시험방법서 A standard for the performance & certification test of CBR protection facility	2017

이 인증서 발행의 근거가 된 시험성적서의 시험성적서 번호 : KGSE-방호-22-245, 293, TAK-2022-126514, 126515, 126516
As shown in the Test Report Ref. No. which forms part of this Certificate

이 인증서는 Korea Laboratory Accreditation Scheme (KOLAS)로부터 인정받은 공인제품인증기관으로부터 발행된 인증서임.
This Test Certificate is issued by a certification body accredited for Korea Laboratory Accreditation Scheme (KOLAS).

이 인증서는 KS Q ISO/IEC 17065 및 『제품인증기관인정 및 사후관리 등에 관한 요령』에 따라 한국인정기구(KOLAS)로 부터 관리 및 인정되고 있습니다.
This certificate is managed and accredited by Korea Laboratory Accreditation Scheme (KOLAS) in accordance with KS Q ISO/IEC 17065 with relevant Korean accreditation laws.

발 행 일 자 : 2022. 11. 02.
Date of issue of issuance
만 료 일 자 : 2025. 11. 02.
Date of expiry of certification

서명(Signature)
에너지안전실증연구센터 센터장
(Depart of Energy Safety Empirical Research Division, KGS)

한국가스안전공사 에너지안전실증연구센터 제품인증기관장

한국가스안전공사 에너지안전실증연구센터 제품인증기관 ㉾26203 강원도 영월군 주천면 송학주천로 1467-51
Korea Gas Safety Corporation, 26203, 1467-51, Songhakjucheon-ro, Jucheon-myeon, Yeongwol-gun, Gangwon-do, Korea
Telephone: +82-(33)-834-2500, Telefax: +82-(43)-750-1946

KGSE-CP-18-1(01)

STRENGTHS

Proven Track Record in Nuclear Safety

- We have a proven history of supplying specialized doors to nuclear power plants, including Units 1 and 2 of the Shin-Wolsong Nuclear Power Plant.
- We strictly manage quality according to nuclear safety grades:
- Safety Class (Q): Items related to reactor safety where failure could lead to radiation exposure.
- Safety Impact Class (A): Non-safety items requiring quality assurance, Seismic Category II structures, or functionally significant items.

공급업체 인증서
Certificate of Qualified Supplier

인 증 번 호 : 0-024-D-462-214　　품 질 등 급 : Q/T

회 사 명 : SH도어텍(주)

주　　소 : 충북 충주시 용탄동 168-15

공 급 품 목 : Equipment Hatch Missile Shield Door (Q등급)
및 Special Door (T등급)

자격유효기간 : 2009. 12. 31 ~ 2012. 12. 29

상기 회사는 신월성원자력 1,2호기 주설비공사 공급자평가
기준에 따라 공급업체로 자격부여 되었음을 인증합니다.

2009. 12. 31

신월성원자력 1,2호기 주설비공사 현장소장
SHINWOLSONG NUCLEAR POWER PLANT, UNITS 1 & 2

BLAST-PROOF DOORS

Blast-resistant doors are engineered to safeguard personnel and essential facilities from explosions and structural failures in petrochemical plants and other industrial production sites, as well as to shield military installations and research institutions from explosive tests and unintentional detonations.

They serve as external access points to buildings, mitigating blast pressure and heat from aerial assaults, artillery strikes, and explosions, while also preventing damage from debris.

In chemical, biological, and radiological (CBRN) facilities, blast doors are required on exterior doors that connect the outside to the non-hazardous area in the event of a conventional weapons attack, as well as on the first and second exterior doors leading to the contamination control area in the event of a chemical, biological, or radiological weapons attack.

Additionally, blast doors must be installed on exterior doors that provide access to the contamination machine room and emergency exits.

The performance unit for blast doors is measured in bars, with 1 bar representing the door's capacity to withstand a 500-pound GP shell detonated at a distance of 10 meters.

We have secured a certificate following a performance evaluation of blast-proof doors rated for 40 bar in Korea at the Agency for Defense Development, and have obtained KAS blast-proof door product certification from the Korea Gas Safety Corporation.

The blast-proof door may be constructed from either reinforced concrete or steel, and it must exhibit blast-resistant performance against external blast pressure.

BLAST-PROOF DOORS

Blast-Proof Doors for Defense Facilities

Definition
Blast-proof doors for facilities handling or storing explosive weapons, including ammunition and missiles.

Characteristics
Defense facilities face higher explosion risks due to the presence of explosives and potential wartime threats. Therefore, military installations mandate blast-proof doors to protect personnel and assets from both internal accidents and external attacks.

Key Installations
Agency for Defense Development (ADD), Defense Agency for Technology and Quality, Defense Installations Agency, etc.

BLAST-PROOF DOORS

Blast-Proof Doors for civil defense facilities

Definition
Mandatory blast-proof doors for civil defense facilities, including government complexes and emergency shelters.

Characteristics
Government-designated shelters require blast-proof doors to protect citizens from shelling and explosions. These doors are manufactured and installed in strict compliance with Civil Defense Guidelines to ensure public safety.

Key Installations
Sejong Government Complex, Cheorwon-gun Resident Shelters, etc.

BLAST-PROOF DOORS

Blast-Proof Doors for Nuclear Facilities

Definition
A Specialized Solution for Nuclear Facilities

Characteristics
Nuclear power plants serve as a significant energy source for electricity generation; however, they also manage radioactive materials that pose severe risks to human health, underscoring the paramount importance of safety in these facilities. The 2011 Great East Japan Earthquake and the subsequent explosion at a nuclear power plant highlighted the challenges of achieving complete recovery from a nuclear incident and the extensive damage that can ensue. To mitigate such risks, a variety of specialized doors, including blast-proof doors, water-blocking doors, shielding doors, and bullet-proof doors, are being implemented in nuclear power plants.

Key Installations
Shinwolseong Nuclear Power Plant Units 1 and 2

BLAST-RESISTANT CONTAINERS

BLAST-RESISTANT CONTAINERS are engineered to safeguard personnel and critical assets from blast waves caused by accidental explosions or structural failures in petrochemical plants and industrial facilities. They also serve to prevent damage to vital infrastructure and shield facilities from blast testing and accidental detonations at military installations and research institutes.

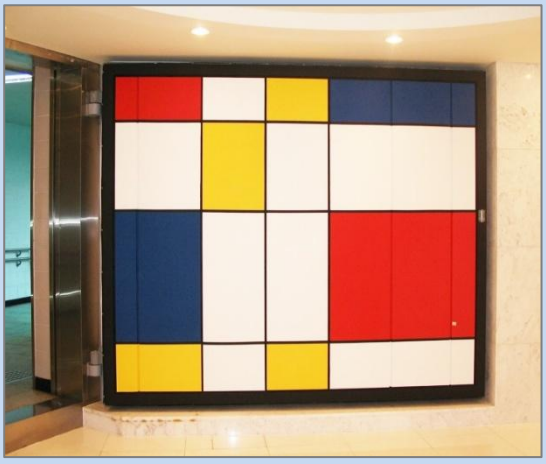
Generally, these containers are deployed to protect personnel and critical equipment, particularly in hazardous environments subject to explosions and extreme blast pressures.

In the event of an explosion, surrounding structures and equipment are inevitably exposed to blast pressure, flying debris, and dangerous shockwaves. When fully sealed, blast-resistant containers shield the occupants and equipment inside from these hazards.

All components attached to the container (e.g., vision panels, doors, ventilation systems, ducts) must also be designed to withstand the specified blast pressure.

Furthermore, these containers function as offices or break rooms during normal operations and serve as emergency shelters in the event of an explosion.

Designed as temporary structures, blast-resistant containers can be relocated from site to site throughout their service life. However, harsh operating conditions and frequent transport can cause cumulative damage to structural components. To ensure the blast-resistant system's integrity is not compromised, regular inspections are mandatory.



SH DOOR TECH CO., LTD.

19 Yongtannonggong 2-gil, Chungju-si, Chungcheongbuk-do, Korea
T. 043-855-2677 F. 043-855-2679
Website : www.shdoortech.com E-mail : sh-door@daum.net

SH도어텍(주)
SH DOOR TECH CO., LTD.