

# Wall & Shielding Solution

## Key Advantages

Performance and Safety focused solution through structural integration

One-Stop Turn-Key Solution

Superior Corrosion Resistance

## Performance and Safety focused solution through structural integration

SEBOTECH's Wall & Shield Solutions are applicable to both onshore and offshore environments and designed to be integrated with customer's structure in order to maximize performance, safety, and installation. Our Wall & Shield Solutions are customized to suit all sizes, specifications, and requirements.

## Wall & Shield Solutions by Type

- Tunnel Type : Escape Tunnel
- Wall Type : Wind Wall, and Fire/Blast Wall
- Heat Shield Type : Lighting Type, Instrument Type, and Area Protection Type



## Fire Rating Certification List

Fire Rating	Type	Material	Class	Specification
A60	Bulkhead (Corrugated type)	SUS316L	DNV GL	1.5mm plate, 2 layers (each 50mm, 48kg/m <sup>3</sup> )
A60	Bulkhead (Removable type)	SUS316L	DNV GL	1.5mm plate, 2 layers 1 <sup>st</sup> layer (50mm, 48kg/m <sup>3</sup> ) 2 <sup>nd</sup> layer (50mm, 70kg/m <sup>3</sup> )
J120 (Jetfire)	Bulkhead (Corrugated type)	SUS316L	LR	2.5mm plate, 4 layers (each 25mm, 128kg/m <sup>3</sup> )
H60/H120	Bulkhead (Corrugated type)	STEEL	DNV GL	2t, 2 layers 1 <sup>st</sup> layer (50mm, 70kg/m <sup>3</sup> ) 2 <sup>nd</sup> layer (60mm, 70kg/m <sup>3</sup> )

\* SEBOTECH is able to provide certified Wall & Shield Solutions approved by various class agencies.



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## Proprietary Patents

Date of Entry	Title of Invention	Registration Number
2015.08.06	Blast Relief Pannel for Offshore plant	10-1142726
2016.04.21	Heat Shield	10-1616005

## Regulation & Standards

Codes & Standards	Number	Description
NORSOK	S-002 :ed 2004	Working Environment for Safety
NORSOK	M-101 :ed 2000, M-102 :ed 1997	Steel & Aluminum Structure Fabrication
ISO	15614-1 :ed 2004, 15614-2 :ed 2005	Welding Procedure
EN	10204 :ed 2004	Material Certification Scheme
Class Regulation	DNV.GL-OS-C401 :ed 2015	Welding Procedure
Owner's standards	SONGA, STATOIL, DONG ENERGY, TOTAL, and CHEVRON Standards	

## One-Stop Turn-Key Solution

Our past experiences based on custom design and fabrication projects, enables as to develop and provide today's One-Stop Turn-Key solution practice satisfying every customers' request.

This combined with our innovative design enables ease of loading, transportation, and installation when integrating fire/blast walls and/or escape tunnels.

## Work Scope

Scope	Service	Material Solution	Assembly Solution	Turn Key Solution	Note
Engineering & Design	●	●	●	●	Provide design, analysis, shop drawings
Material Procurement	●	●	●	●	Provide parts and materials
Fabrication	●	●	●	●	Provide fabrication
Installation	—	—	—	●	Execute installation
Project Management			●		Provide customer integrated project management

## Superior Corrosion Resistance

SEBOTECH's Wall & Shield Solutions are made of stainless steel or duplex providing optimum performance and protection for equipment, facilities, and personnel from harsh environment or adverse conditions (e.g. sea water, weather conditions).

## Reference List

Item	Project No.	Owner	Ship Type	Class	Supply scope
FIRE/BLAST WALL (LQ)	6052	CHEVRON	FIXED PLATFORM	ABS	Assembly Solution
ESCAPE TUNNEL	7102	STATOIL	FIXED PLATFORM	ABS	Assembly Solution
ESCAPE TUNNEL	QUAD 204	BP	FPSO	LR	Assembly Solution
WIND WALL	7117	STATOIL	JACK UP RIG	DNV GL	Turn-Key Solution
HEAT SHIELD	7100	SHELL	FLNG	ABS	Assembly Solution
RADIATION HEAT SHIELD	6052	CHEVRON	FIXED PLATFORM	ABS	Assembly Solution
CORRUGATED WALL	7108	INPEX	CPF	DNV GL	Assembly Solution

