Marine & Offshore Insulation

NEW APPROVED H-CONSTRUCTIONS JUST LANDED!

- Lower weight
- Faster installation

ROCKWOOL®
FIRESAFE INSULATION
MARINE & OFFSHORE

Insulation of H-constructions has become much easier...

Rockwool Marine & Offshore now introduces a new series of optimized H-constructions based on our unique product properties.

Fires on floating offshore facilities can be caused by hydrocarbon fire and consequently require fire protection systems of superior performance.

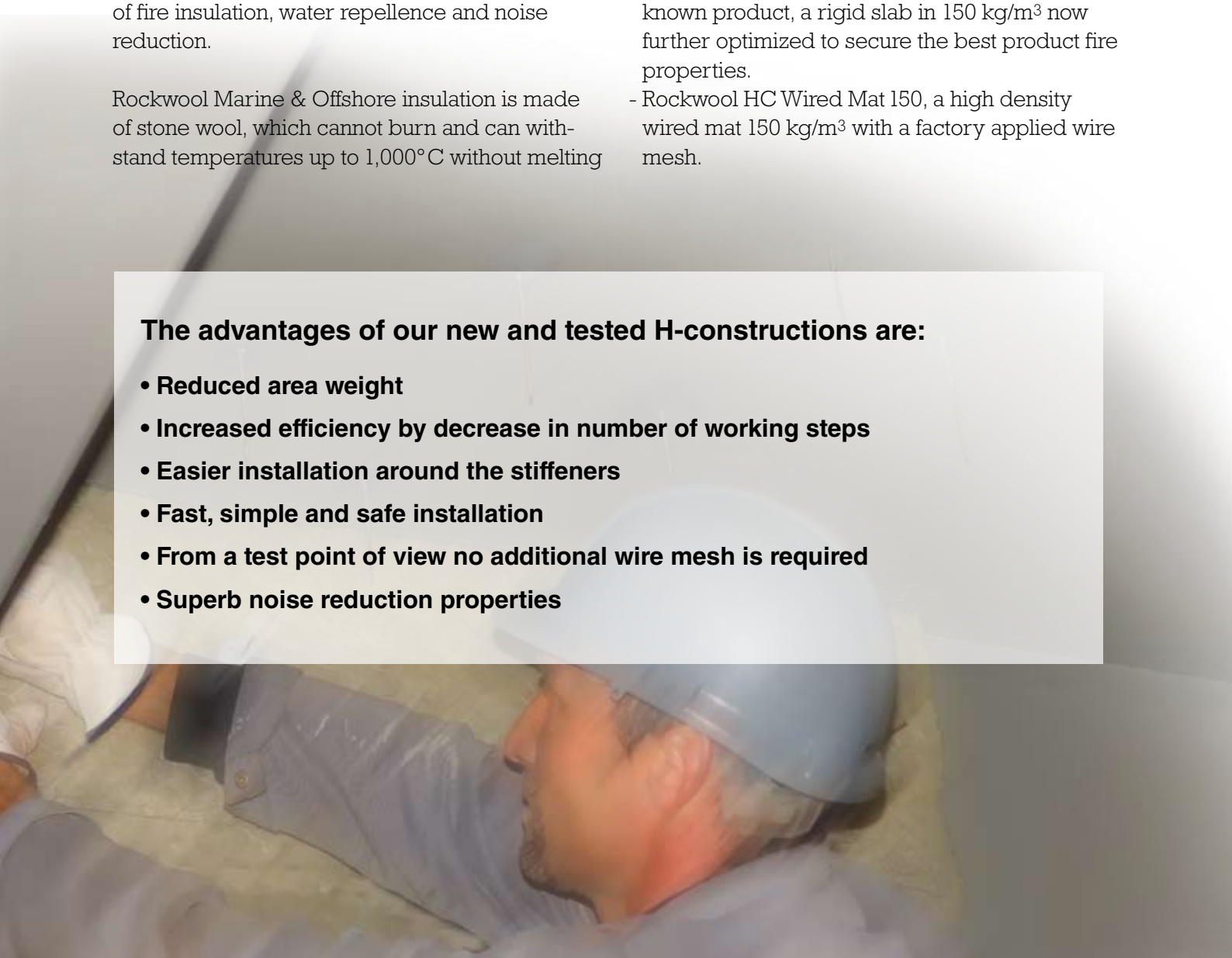
Rockwool products for H-constructions are fulfilling the stringent requirements for insulation materials to be used in the offshore sector. Our fire protection systems surpass the most stringent standards of structural stability and integrity, limiting the spread of fire and protecting personnel and equipment. For the sake of both safety and functionality it is of particularly great importance that the products have good properties in respect of fire insulation, water repellence and noise reduction.

Rockwool Marine & Offshore insulation is made of stone wool, which cannot burn and can withstand temperatures up to 1,000°C without melting and possesses superior properties in these very fields.

Our latest addition in the offshore market is our new range of H-constructions. The design has been tested according to the latest offshore safety standards. On top of the advantages from the products the new constructions have two major advantages: They are now lighter and easier to work with.

The tests have now been passed and based on these tests we have just applied for type approval certificates from the major classification societies.

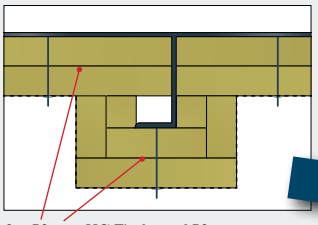
The constructions are based on 2 products:
- Rockwool HC Firebatts 150, an already well known product, a rigid slab in 150 kg/m^3 now further optimized to secure the best product fire properties.
- Rockwool HC Wired Mat 150, a high density wired mat 150 kg/m^3 with a factory applied wire mesh.



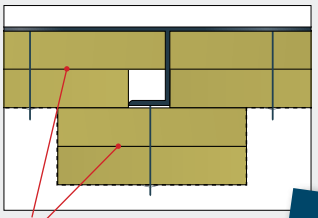
The advantages of our new and tested H-constructions are:

- **Reduced area weight**
- **Increased efficiency by decrease in number of working steps**
- **Easier installation around the stiffeners**
- **Fast, simple and safe installation**
- **From a test point of view no additional wire mesh is required**
- **Superb noise reduction properties**

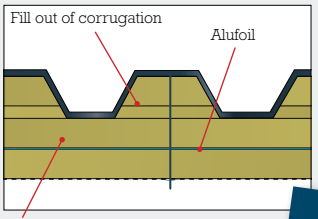
Old constructions



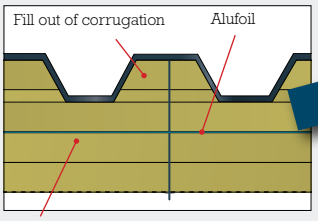
2 x 50 mm HC Firebatts 150
Insulation secured by wire mesh
Area weight: 15 kg/m²
Lloyd's certificate valid to 2012.03.06



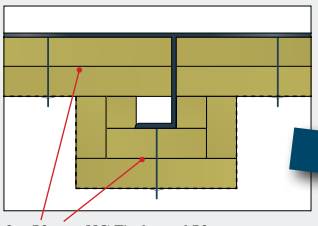
2 x 65 mm HC Firebatts 150
Insulation secured by wire mesh
Area weight: 19,5 kg/m²
Lloyd's certificate valid to 2009.10.07



2 x 50 mm HC Firebatts 150
Insulation secured by wire mesh
Area weight: 18,8 kg/m²
Certificate expired



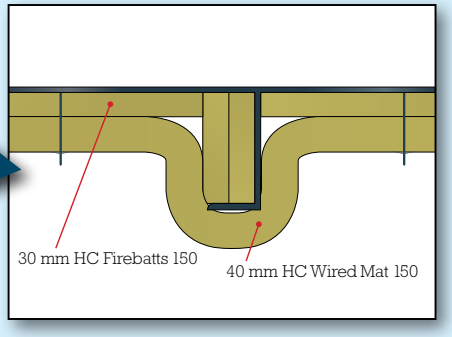
3 x 50 mm HC Firebatts 150
Insulation secured by wire mesh
Area weight: 26,3 kg/m²
Lloyd's certificate valid to 2011.07.17



2 x 50 mm HC Firebatts 150
Insulation secured by wire mesh
Area weight: 15 kg/m²
Lloyd's certificate valid to 2009.10.07

New H-constructions

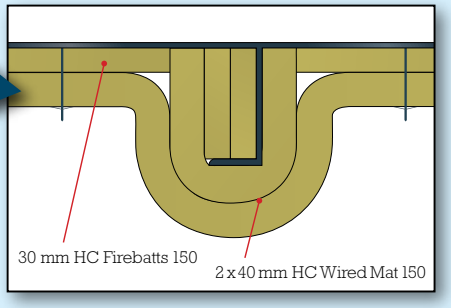
H-60 Bulkhead restricted



Advantages

- Approx 42% reduction in area weight
- Faster and cheaper installation
- Less working steps
- No cutting of Batts around stiffeners
- Wire mesh is factory applied at the Wired Mat

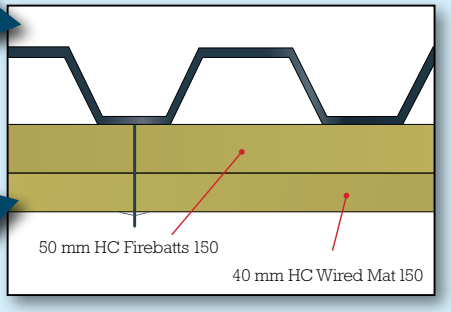
H-120 Bulkhead restricted



Advantages

- Approx 48% reduction in area weight
- Faster and cheaper installation
- Less working steps
- No cutting of Batts around stiffeners
- Wire mesh is factory applied at the Wired Mat

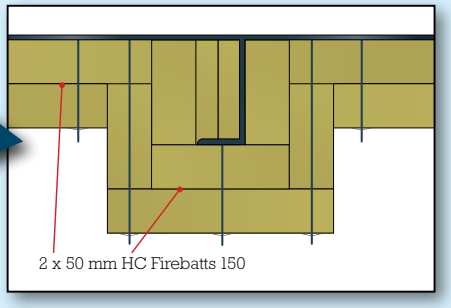
H-60/H-120 Bulkhead non load bearing corrugated steel



Advantages

- H-60: Approx 28% reduction in area weight
- H-120: Approx 49% reduction in area weight
- Faster and cheaper installation
- Less working steps
- No filling of the corrugation
- Wire mesh is factory applied at the Wired Mat

H-60 Deck

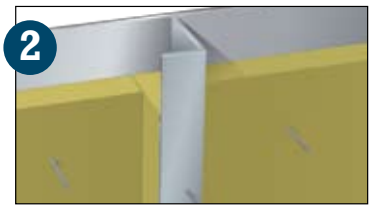


Advantages

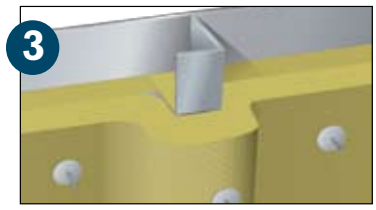
- Tested and approved without wire mesh
- Only one product

H-60 Bulkhead restricted

Steel plate. Thickness min. 4.0 mm

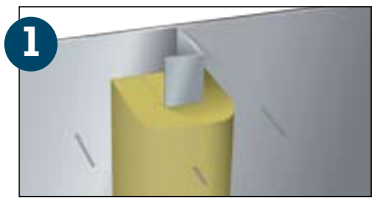


Insulate behind stiffener and insulate plate with 30 mm HC Firebatts 150

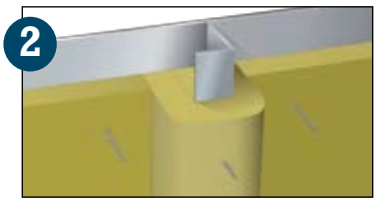


Insulate surface with 40 mm HC Wired Mat 150

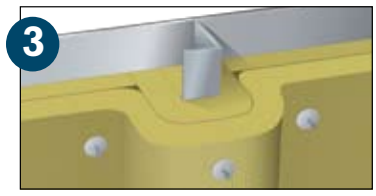
H-120 Bulkhead restricted



Insulate behind stiffener and insulate stiffener with 40 mm HC Wired Mat 150

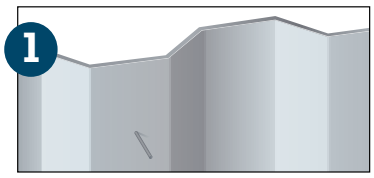


Insulate plate with 30 mm HC Firebatts 150

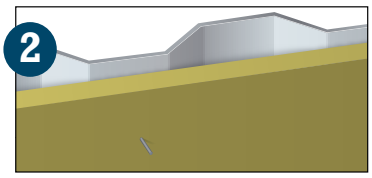


Insulate surface with 40 mm HC Wired Mat 150

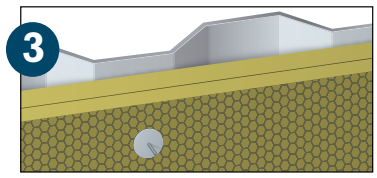
H-60 and H-120 non load bearing corrugated steel Bulkhead



Corrugated steel plate. Thickness min 1.5 mm

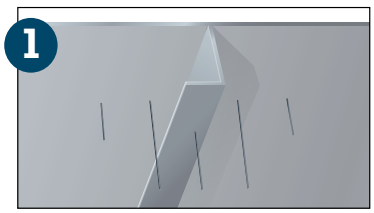


Insulate with 50 mm HC Firebatts 150

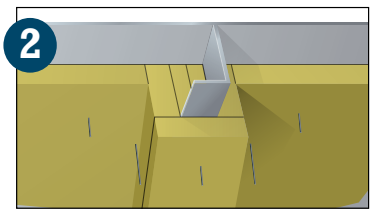


Insulate with 40 mm HC Wired Mat 150

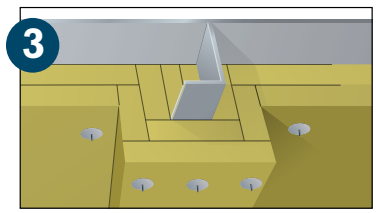
H-60 Deck



Steel plate. Thickness min. 4.0 mm



Insulate 1. layer of stiffener and 1. layer of plate with 50 mm HC Firebatts 150



Insulate 2. layer of stiffener and 2. layer of plate with 50 mm HC Firebatts 150

Overview Rockwool Marine & Offshore H-constructions

Construction	Plate	Stiffener
H-60 Bulkhead restricted	30 mm HC Firebatts 150 + 40 mm HC Wired Mat 150	40 mm HC Wired Mat 150
H-120 Bulkhead restricted	30 mm HC Firebatts 150 + 40 mm HC Wired Mat 150	2 x 40 mm HC Wired Mat 150
H-60 Bulkhead non load bearing corrugated steel	50 mm HC Firebatts 150 + 40 mm HC Wired 150	
H-120 Bulkhead non load bearing corrugated steel	50 mm HC Firebatts 150 + 40 mm HC Wired 150	
H-60 Deck	2 x 50 mm HC Firebatts 150	2 x 50 mm HC Firebatts 150
H-120 Deck	Please contact Rockwool Marine & Offshore	
Jet fire (30min)	35 + 50 mm HC Firebatts 150 (check official drawing for further details)	
Blast resistance	50 + 35 mm HC Firebatts 150 (check official drawing for further details)	

Products	L/W/T
HC Firebatts 150	1000x600x30 mm 1000x600x50 mm 1000x600x65 mm
HC Firebatts 150 reinforced alu	1000x600x30 mm 1000x600x50 mm 1000x600x65 mm
HC Wired Mat 150	4000x500x40 mm

Visit our web-site www.rockwool-marine.com to learn more

ROCKWOOL®
FIRESAFE INSULATION
MARINE & OFFSHORE

Rockwool A/S · Hovedgaden 501 · 2640 Hedehusene · Denmark · Tlf. +45 46 56 16 16 · Fax +45 46 56 16 04