

Extended SeaRox FB & FM 6000 lightweight range

Now introducing SeaRox FM 6000 - Fire Mat - also available for aluminium constructions

**NEW**

Fire Mat solutions -
now also available for
aluminium constructions

SeaRox FM 6000 - Fire Mat - for improved workability and faster installation

Following the successful introduction of our lightweight SeaRox FB 6000 - Fire Board - range, ROCKWOOL Technical Insulation has introduced the SeaRox FM 6000 series of lightweight Fire Mats for steel and aluminium constructions. Combined with the Fire Boards FB 6000 this opens new design possibilities.

SeaRox FM 6000 range are lightweight Fire Mats made out of stone wool, delivered with reinforced aluminium foil on one side as standard. It is especially designed to optimize the speed of insulation of stiffeners in general and for easy installation of deck constructions as one layer solutions.

NEW: Aluminium constructions

As part of the extended range of lightweight constructions we now also offer lightweight solutions for standard A60 aluminium constructions. All solutions are based on SeaRox FM 6040 ALU, 35mm in two layers.

The complete range of lightweight stone wool products for fire insulation now consists of:

SeaRox FM 6000 series:

- SeaRox FM 6030 ALU: 30 mm, 50 kg/m³
- SeaRox FM 6040 ALU: 35 and 50 mm, 60 kg/m³

SeaRox FB 6000 series:

- SeaRox FB 6020: 70 mm, 40 kg/m³
- SeaRox FB 6040: 70 mm, 60 kg/m³
- SeaRox FB 6050: 30 mm, 70 kg/m³

SeaRox FB & FM 6000 range



Packed with advantages:

- Flexible design
- Improved workability
- Fast and safe installation

Like SeaRox FB 6000, the SeaRox FM 6000 range combines all the qualities of conventional stone wool insulation (highest fire safety, excellent thermal and acoustic properties, highest water repellency grade, global availability) and at the same time lowers the weight up to 40%.



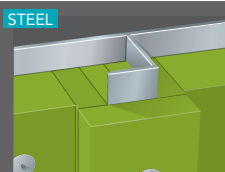
More flexibility in designing the right insulation solution

The introduction of the SeaRox FM 6000 Fire Mats extends the range of lightweight insulation designs:

Type 1. Standard design – SeaRox FB 6000 range

Advantages:

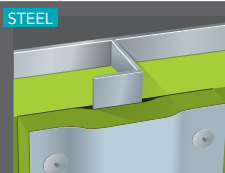
- Easy handling – standard Slab dimensions
- Softer and more flexible Slabs



Type 2. Hybrid solution - SeaRox FB+FM 6000, alternative 1

Advantages:

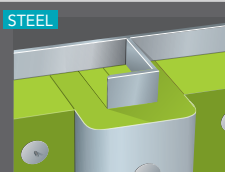
- Fast installation
- Suitable for narrow spaces
- Safer (no pin on stiffeners)
- Reduced cut-off waste



Type 3. Hybrid solution - SeaRox FB+FM 6000, alternative 2

Advantages:

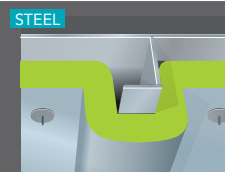
- Fast installation
- No open gaps
- Reduced cut-off waste



Type 4. SeaRox FM 6000 solution

Advantages:

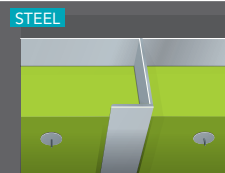
- Fast installation
 - Reduced cut-off waste
 - One-layer solution possible
- Note: Only for A30 and A60 Deck application



Type 5. No insulation on stiffeners

Advantages:

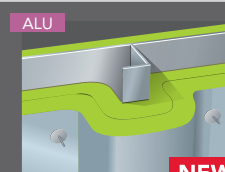
- Fast installation (no insulation on stiffeners)
 - Thin solution (no insulation on stiffeners)
- Note: Only for A15 Deck application



Type 6. SeaRox FM 6000 in two layers

Advantages:

- Fast installation
- Just one product in one size



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New extended SeaRox lightweight construction overview:

Fire class	Design	Plate		Stiffener		R-value plate product	Water absorption	Sound reduction	Weight
		Product	Thickness	Product	Thickness	(m²K/W) at 10°C mean temp.	(short term)	R _w (dB)	(kg/m²)
Steel constructions									
A15 Deck	Standard	SeaRox FB 6020	70 mm	No insulation	-	2.05	< 1 kg/m²	45	1.7
A15 Bulkhead	Standard	SeaRox FB 6020	70 mm	SeaRox FB 6050	30 mm	2.05	< 1 kg/m²	46	2.5
A15 Bulkhead	Hybrid	SeaRox FB 6020	70 mm	SeaRox FM 6030 ALU	30 mm	2.05	< 1 kg/m²	46	2.3
A30 Bulkhead	Standard	SeaRox FB 6020	70 mm	SeaRox FB 6050	30 mm	2.05	< 1 kg/m²	46	2.5
A30 Bulkhead	Hybrid	SeaRox FB 6020	70 mm	SeaRox FM 6030 ALU	30 mm	2.05	< 1 kg/m²	46	2.3
A30 Deck	Standard	SeaRox FB 6050	30 mm	SeaRox FB 6050	30 mm	0.88	< 1 kg/m²	45	2.1
A30 Deck	Mat	SeaRox FM 6030 ALU	30 mm	SeaRox FM 6030 ALU	30 mm	0.88	< 1 kg/m²	46	1.5
A30 Deck	Hybrid	SeaRox FB 6050	30 mm	SeaRox FM 6030 ALU	30 mm	0.88	< 1 kg/m²	45	1.9
A60 Bulkhead	Standard	SeaRox FB 6040	70 mm	SeaRox FB 6050	30 mm	2.05	< 1 kg/m²	48	3.4
A60 Bulkhead	Hybrid	SeaRox FB 6040	70 mm	SeaRox FM 6040 ALU	35 mm	2.05	< 1 kg/m²	48	3.4
A60 Bulkhead restricted	Standard	SeaRox FB 6020	70 mm	SeaRox FB 6050	30 mm	2.05	< 1 kg/m²	46	2.5
A60 Bulkhead restricted	Hybrid	SeaRox FB 6020	70 mm	SeaRox FM 6040 ALU	35 mm	2.05	< 1 kg/m²	46	2.5
A60 Deck	Standard	SeaRox FB 6020	70 mm	SeaRox FB 6050	30 mm	2.05	< 1 kg/m²	46	2.5
A60 Deck	Mat	SeaRox FM 6040 ALU	50 mm	SeaRox FM 6040 ALU	50 mm	1.47	< 1 kg/m²	47	3.0
A60 Deck	Hybrid	SeaRox FB 6020	70 mm	SeaRox FM 6040 ALU	35 mm	2.05	< 1 kg/m²	46	2.5

NEW Alu constructions

A60 Bulkhead*	Mat	SeaRox FM 6040 ALU	2x35 mm	SeaRox FM 6040 ALU	2x35 mm	4.11	< 1 kg/m ²	43	4.2
A60 Bulkhead restricted	Mat	SeaRox FM 6040 ALU	2x35 mm	SeaRox FM 6040 ALU	2x35 mm	2.05	< 1 kg/m ²	46	8.4
A60 Deck	Mat	SeaRox FM 6040 ALU	2x35 mm	SeaRox FM 6040 ALU	2x35 mm	2.05	< 1 kg/m ²	43	4.2

Estimated weight based on 1 m² insulation split: 60% steel plate, 40% stiffener insulation.
Acoustic measurements are performed according to ISO 10140-2 and ISO 717 on 6 mm steel plate.

Sound reduction measurements are performed according to ISO 10140-2 and ISO 717-1 on 6 mm steel plate

*insulation on both sides on alu plate

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ROCKWOOL Technical Insulation

ROCKWOOL Technical Insulation is part of the ROCKWOOL Group and is offering advanced technical insulation solutions for the process industry as well as marine & offshore.

At the ROCKWOOL Group, we are committed to enriching the lives of everyone who experiences our product solutions. Our expertise is perfectly suited to tackle many of today's biggest sustainability and development challenges, from energy consumption and noise pollution to fire resilience, water scarcity and flooding. Our product range reflects the diversity of the world's needs, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With approx. 10,500 passionate colleagues in 38 countries, we are the world leader in stone wool solutions, from building insulation to acoustic ceilings, external cladding systems to horticultural solutions, engineered fibres for industrial use to insulation for the process industry and marine & offshore.

All explanations correspond to our current range of knowledge and are therefore up-to-date. The examples of use outlined in this document serve only to provide a better description and do not take special circumstances of specific cases into account. ROCKWOOL Technical Insulation places great value upon continuous development of products, to the extent that we too continuously work to improve our products without prior notice. We therefore recommend that you use the most recent edition of our publications, as our wealth of experience and knowledge is always growing. Should you require related information for your specific application or have any technical queries, please contact our sales department or visit our website www.rockwool-rti.com.

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