

**THERMAL- ACOUSTIC CONTROL MATERIALS**

**Product description**

Rockwool Marine Firebatts 100 is a semi-rigid slab made of stone wool. The product can be supplied with reinforced alu foil or glass fabric.

**Application**

Marine Firebatts 100 is primarily used as part of approved A constructions for Deck and Bulkhead.



**Technical properties**

| Parameter                         | Value  | Standard   |
|-----------------------------------|--|--|
| Thermal conductivity              | $\lambda_{10} = 0,035 \text{ W/mK}$  | EN 12967   |
| Nominal density                   | 100 kg/m <sup>3</sup>  | -  |
| Compressive strength              | -  | EN 826   |
| Fire classification               | Non-combustible<br>Approved for A constructions  | IMO A.700(19)<br>IMO A.754(18)                       |
| Max. service temp.                | Wool: 750°C<br>Facing: 80°C  | -  |
| Sound absorption directly mounted | $\alpha_w = 0,90$<br>Thickness: 40 mm<br>$\alpha_w = 0,90$<br>Thickness: 60 mm   | ISO 354 (approximated)<br>Evaluated after ISO 11 664 |
| Facings (on request)              | Reinforced alu foil<br>White glass fabric 210 g/m <sup>2</sup> (GW200)   | IMO A.653(16)<br>(low flame - spread)                |
| Dimensions                        | Marine Firebat 100: L: 1000 mm - W: 600 mm - T: 25,40,60 mm<br>Marine Firebat 100 w reinf alu: L: 1000 mm - W: 600 mm - T: 25,40,60 mm<br>Marine Firebat 100 GW 200: L: 1000 mm - W: 600 mm - T: 25,40,60 mm |  |

**A-constructions · steel Bulkhead**

**A-constructions · steel Deck**

| Diagram | A-30  | MED-B-4134  |
|---------|---|-------------|
|         | Product: Marine Batte 45<br>Density: 45 kg/m <sup>3</sup><br>Thickness: Level: 50 mm<br>Stiffener: 25 mm          | Advantages: |
|         | Product: Marine Wind Mat 90<br>Density: 90 kg/m <sup>3</sup><br>Thickness: Level: 50 mm<br>Stiffener: 30 mm       | Advantages: |
|         | Product: Marine Firebatts 100<br>Density: 100 kg/m <sup>3</sup><br>Thickness: Level: 50 mm<br>Stiffener: 25 mm    | Advantages: |
|         | Product: Marine Firebatts 130<br>Density: 130 kg/m <sup>3</sup><br>Thickness: Level: 30/50 mm<br>Stiffener: 30 mm | Advantages: |
|         | Product: Marine Firebatts 100<br>Density: 100 kg/m <sup>3</sup><br>Thickness: Level: 40 mm<br>Stiffener: 40 mm    | Advantages: |
|         | Product: Marine Firebatts 130<br>Density: 130 kg/m <sup>3</sup><br>Thickness: Level: 50 mm<br>Stiffener: 50 mm    | Advantages: |
|         | Product: Marine Wind Mat 90<br>Density: 90 kg/m <sup>3</sup><br>Thickness: Level: 30/45 mm<br>Stiffener: 45 mm    | Advantages: |
|         | Product: Marine Wind Mat 105<br>Density: 105 kg/m <sup>3</sup><br>Thickness: Level: 25 mm<br>Stiffener: 30 mm     | Advantages: |

| Diagram | A-30   | MED-B-4186  |
|---------|--|-------------|
|         | Product: Marine Batte 45<br>Density: 45 kg/m <sup>3</sup><br>Thickness: Level: 50 mm<br>Stiffener: 30 mm   | Advantages: |
|         | Product: Marine Wind Mat 90<br>Density: 90 kg/m <sup>3</sup><br>Thickness: Level: 30 mm<br>Stiffener: 30 mm  | Advantages: |
|         | Product: Marine Firebatts 100<br>Density: 100 kg/m <sup>3</sup><br>Thickness: Level: 40 mm<br>Stiffener: 25 mm   | Advantages: |
|         | Product: Marine Firebatts 130<br>Density: 130 kg/m <sup>3</sup><br>Thickness: Level: 40 mm<br>Stiffener: 40 mm   | Advantages: |
|         | Product: Marine Wind Mat 90<br>Density: 90 kg/m <sup>3</sup><br>Thickness: Level: 45 mm<br>Stiffener: 45 mm  | Advantages: |
|         | Product: Marine Slab 200<br>Density: 200 kg/m <sup>3</sup><br>Thickness: 30/50 mm<br>Top plate: Min. 2 mm steel plate<br>Note: Top layer according to the steel calculator | Advantages: |

**One layer solution**  
The construction is based on a solution where the construction is made with one product in one layer. This leads to a faster installation.

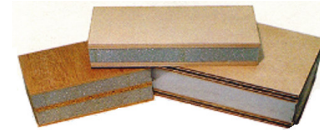
**Fast installation**  
The construction is based on blocks which reduce the cutting step and reduce the seams, and consequently faster installation time.

**Optimal sound properties**  
The construction is based on products with higher density and more optimized characteristics of better sound properties.

**Low construction weight**  
The construction is based on products with a low density and/or low thickness which leads to a low total construction weight.

**Easy handling**  
The constructions are based on blocks, where the small size and flat structure of the products give an easy handling in respect to cutting and installation.

Please note that the drawings are only intended as a guide.



**THERMAL- ACOUSTIC CONTROL MATERIALS**

**Product description**

Rockwool Marine Firebatts 130 is a semi-rigid slab made of stone wool.

The product can be supplied with reinforced alu or glass fabric.

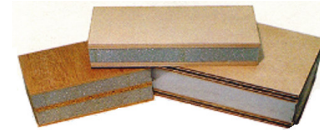
**Application**

Marine Firebatts 130 is primarily used as part of approved A constructions for Deck and Bulkhead.



**Technical properties**

| Parameter                                | Value   | Standard  |
|--|---|---|
| <b>Thermal conductivity</b>              | $\lambda_{10} = 0,035 \text{ W/mK}$   | EN 12667  |
| <b>Nominal density</b>                   | 130 kg/m <sup>3</sup>   | -   |
| <b>Compressive strength</b>              | -   | EN 826  |
| <b>Fire classification</b>               | Non-combustible<br>Approved for A constructions   | IMO A.799(19)<br>IMO A.754(18)                          |
| <b>Max. service temp.</b>                | Wool: 750°C<br>Facing: 80°C   | -   |
| <b>Sound absorption directly mounted</b> | $\alpha_n = 0,80$<br>Thickness: 50 mm $\alpha_n = 0,90$<br>Thickness: 2x30 mm   | ISO 354 (approximated)<br>Evaluated after<br>ISO 11 654 |
| <b>Facings (on request)</b>              | Reinforced alu foil<br>White glass fabric 210 g/m <sup>2</sup> (GW 200)   | IMO A.653(16)<br>(low flame - spread)                   |
| <b>Dimensions</b>                        | Marine Firebatts 130: L:1000 mm - W: 600 mm - T: 30-100 mm<br>Marine Firebatts 130 w. reinf. alu: L: 1000 mm - W: 600 mm - T: 30, 40, 50 mm<br>Marine Firebatts 130 GW 200: L: 1000 mm - W: 600 mm - T: 30, 40, 50 mm |   |



**THERMAL- ACOUSTIC CONTROL MATERIALS**

**A-constructions · alu Bulkhead**

|  |   |   |
|--|---|---|
|  | <p><b>A-60</b></p> <p><b>Product</b> Marine Fibrabatts 130<br/> <b>Density</b> 130 kg/m<sup>3</sup><br/> <b>Thickness</b> Level 2x254*, 2x300** mm<br/>         Diffuser 2x300 mm</p> <p><small>*Thickness thickness on the side of aft/ast **Thickness thickness on the other side</small></p> | <p><b>MED-B-4190</b></p> <p><b>Advantages</b></p> |
|  | <p><b>A-60 restricted</b></p> <p><b>Product</b> Marine Fibrabatts 130<br/> <b>Density</b> 130 kg/m<sup>3</sup><br/> <b>Thickness</b> Level 2x200 mm<br/>         Diffuser 2x300 mm</p>  | <p><b>MED-B-4190</b></p> <p><b>Advantages</b></p> |

**A-constructions · alu Deck**

|  |  |   |
|--|--|---|
|  | <p><b>A-30</b></p> <p><b>Product</b> Marine Batts 45/ Wiroed/Mat 90<br/> <b>Density</b> 45/90 kg/m<sup>3</sup><br/> <b>Thickness</b> Level 50 mm<br/>         Diffuser 45 mm</p> | <p><b>MED-B-4187</b></p> <p><b>Advantages</b></p> |
|  | <p><b>A-60</b></p> <p><b>Product</b> Marine Fibrabatts 130<br/> <b>Density</b> 130 kg/m<sup>3</sup><br/> <b>Thickness</b> Level 2x200 mm<br/>         Diffuser 2x300 mm</p>      | <p><b>MED-B-4191</b></p> <p><b>Advantages</b></p> |