

**Rockwool Product  
Information****Product Data Sheet 2.40  
Marine Wired Mat 35 2.40.2****INTRODUCTION**

ROCKWOOL Marine Wired Mat 35 is a lightly bonded rockwool mat made of non-combustible mineral wool faced on one side with 25 mm galvanized wire mesh, specially suited for comfort insulation.

Also supplied with reinforced alufoil or glass cloth (200 g/m<sup>2</sup>) between wire mesh and wool.

The lightweight of Rockwool Marine Wired Mat 35 makes it ideal for situations where reduction in weight is important.

The most common application for Rockwool Marine Wired Mat 35 is thermal- and fire insulation (class A30/A15) in ships and offshore constructions.

**ADVANTAGES**

- Excellent thermal- and acoustic insulation
- Non-combustible
- Strong and flexible
- Chemically inert
- Vermin and rot proof
- Resists high temperatures
- Easy to cut and handle
- Cost effective
- Maintenance free

**DIMENSIONS**

50x600x3500 mm (with glass cloth: 50x900x4800 mm)

Other dimensions can be supplied on request.

**NOMINAL DENSITY**

Marine Wired Mat 35: 35 kg/m<sup>3</sup>

**PACKING**

Shrink-wrapped in pe-foil.

**THERMAL CONDUCTIVITY ( $\lambda$  - value)**

Marine Wired Mat 35:  $\lambda_{10} = 0,039$  W/mK

**SERVICE TEMPERATURES**

Marine Wired Mat 35 can be used in continuous service at temperatures up to 250 ° C.

A/S Rockwool  
P.O.Box 4215 Nydalen  
N-0401 Oslo  
Norway

The stone fibres in Rockwool mineral wool have a high natural resistance to fire and can withstand temperatures of more than 1000 ° C without melting.

**FIRE**

Rockwool Marine Wired Mat 35 is classified as non-combustible when tested according to ISO 1182 and IMO Res. A 799 (19).

**WATER**

Impregnated Rockwool mineral wool is water-repellent, and absorbs water only when the latter is pressed or forced into the product.

Rockwool mineral wool will absorb only approx. 1 % of its volume in moisture when tested according to BS 2972:75.

The hygroscopic water content in Rockwool mineral wool is only approx. 0,004 % per volume at RH 95%.

Diffusion rating is approx. 0,14 kg/m.s.GPa.

**CORROSION**

Since Rockwool mineral wool is made of practically non-alkaline materials, it does not react chemically and consequently does not promote corrosion.

**ENVIRONMENT**

No CFSs or HCFCs are used in the manufacturing of Rockwool products.

**QUALITY ASSURANCE**

A/S Rockwool has a well established and operating quality control system, and the system has been certified to meet the requirements in NS-ISO 9001.

**A/S ROCKWOOL**

reserves at all times the right to alter the product specifications of the products without notice due to process improvements. The technical information is therefore to be used only as a guide.

Telephone: + 47 22 02 40 00  
Telefax: + 47 22 15 91 78