

**Rockwool Product
Information****Product Data Sheet 2.40**
HC Wired Mat 150 2.40.6**INTRODUCTION**

ROCKWOOL HC Wired Mat 150 is a lightly bonded Rockwool mat made of non-combustible mineral wool faced on one side with 25mm galvanised wire mesh .

Rockwool HC Wired Mat 150 is particularly suited to applications where it is used as hydrocarbon fire protection of pipes, vessels, bulkheads and decks.

ADVANTAGES

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

DIMENSIONS

Thickness 30 - 100 mm
Width 600/900 mm.
Length 2400 – 5000 depending on thickness.

Other dimensions can be supplied on request.

NOMINAL DENSITY

150 kg/m³

FACING

Rockwool HC Wired Mat 150 is supplied with a galvanised wire mesh stitched to one (or both) faces. Stainless steel mesh is available on request.

Rockwool HC Wired Mat 150 can also be supplied with reinforced aluminium foil on one side.

PACKING

Wrapped in pe-foil.

THERMAL CONDUCTIVITY (λ -value)

MEAN TEMP. °C	50	100	150	200
THERM. COND. W/mK	0,042	0,043	0,047	0,052
MEAN TEMP. °C	300	400	500	600
THERM. COND. W/mK	0,069	0,092	0,119	0,150

SERVICE TEMPERATURE

Maximum service temperature for Rockwool HC Wired Mat 150 is 750 ° C for industrial applications.

Rockwool HC Wired Mat 150 has been tested in applications exposed to the hydrocarbon fire time/temperature curve.

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 HC Wired Mat 150 is rated non-combustible when tested according to 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 CFCs 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.

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

Telephone: + 47 22 02 40 00
Telefax: + 47 22 15 91 78
E-mail: rockwool@rockwool.no
Internett: www.rockwool.no