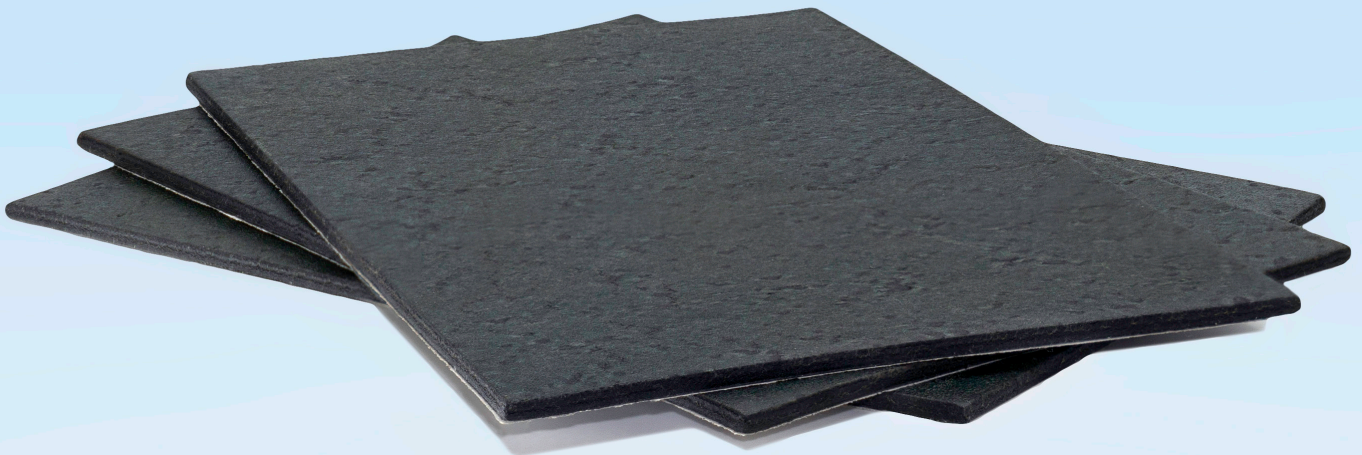


# NORDISK AKUSTIK A/S



## FB114 Sound insulation

FB114 is ideal as sound insulation for laboratory machines and cabinets, automatic dishwashers and washing machines, industrial cabinets, for floor insulation in trains, buses, trucks, forestry machines, ventilating shafts on or between plywood flooring. FB114 is especially suitable as sound insulation together with an absorbent directly adhesived in FB114.

## FB114 sound insulation mat

10 kg/m<sup>2</sup> self-adhesive, 5,0 mm. thick,  
size 1000 x 1200 mm.  
Art. nr.: 171010

FB114 is an EVPDM-rubber based spund insulation mat, which can be used alone or combined with an absorbent, which is easily mounted on FB114 due to the chemical composition of the material.

FB114 is air sound insulating but also structure sound damping at especially low temperatures.

When mounting it is important that the surface where FB114 will be mounted is clean. Before mounting it is required that FB114 as a minimum has room temperature. At vertical or suspended constructions we recommend using both adhesive and mechanical fasteners.

FB114 pass the Declaration of RoHS conformity and do not contain substances or chemicals as (Pb,Hg,Cd,Cr,Vi,PBB,PBDE,NF,NPE)

According to EUR directives:

2011/65/UE

2003/11/CE

2003/53/CE

2011/37/UE

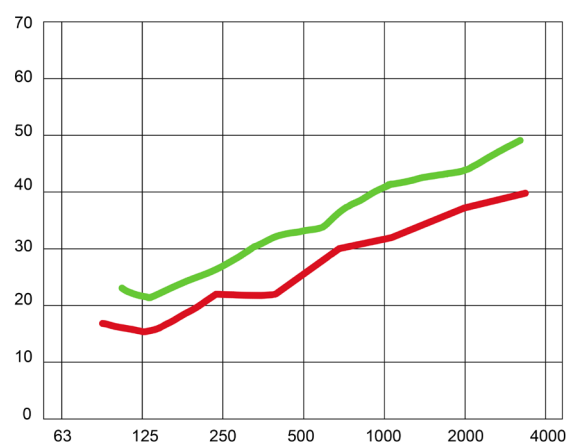
FB114 do also pass the EU-directive 1907/2006/CE

<b>Colour:</b>	Black
<b>Weight:</b>	10 kg/m <sup>2</sup>
<b>Thickness:</b>	5,0 mm
<b>Heat and cold resistance:</b>	-30° til +100°C
<b>Temperature over short periods:</b>	+170°C
<b>Reduction factor:</b>	See Fig. 1
<b>Flammability:</b>	Self-extinguishing as defined by FMVSS-302
<b>Adhesive strenght:</b>	Approx. 10 N/cm on sheet at 20°C

R increases = The Reduction factor for a 1 mm. steel sheet by 6 dB when FB114 is applied to it (10 kg/m<sup>2</sup>). The steel sheet is 7,8 kg/m<sup>2</sup>.  
If the steel sheet is 0,5 mm. the reduction factor increases by 9 dB.

**Fig. 1**

Reduction factor (dB)



The reduction as a function of the frequency for FB114 applied to 1 mm. steel sheet.

— = 1 mm steel sheet.  
— = FB114 applied to 1 mm. steel sheet.

All information and instructions for use of products is based on experiments, test and practical experience. However, they should be treated as general guidelines only. Local conditions and other used materials may influence end results. Nordisk Akustik A/S accept no responsibility for the results achieved when our products are used, as the conditions under which work is carried out is beyond our control.