ISOLFON FF

Impact Sound Insulation for floating floors

ISOLFON -FF : Closed cells foam that offer impact sound insulation in floating concrete floors.

It is easy installed in a great range of applications where impact noise insulation on floating floors is required.
ISOLFON-FF is produced from Expanded polyethylene cross linked foam, with density of about 28 kg/m^3, which takes the shape of a rolled sheet.
The structure of closed cells offers a greater deflection and rebound (after tension and release) due to the fact that air is trapped in the cells. Additionally it offers perfect resistance in water and humidity absorption.

Expanded polyethylene is flexible and compressible, doesn't oxidize, is not affected by fungi or bacteria and is perfectly compatible with common building materials such as concrete, plaster, lime and sand.
Their ingredients are eco-friendly and do not contain HCFC and harmful chemicals.
Expanded polyethylene sheets can be applied underneath a number of different floor finishes, such as engineered laminated flooring in floating floor construction, laminate timber floor, concrete screed floor with ceramic tiles / marble finish, carpet, etc.

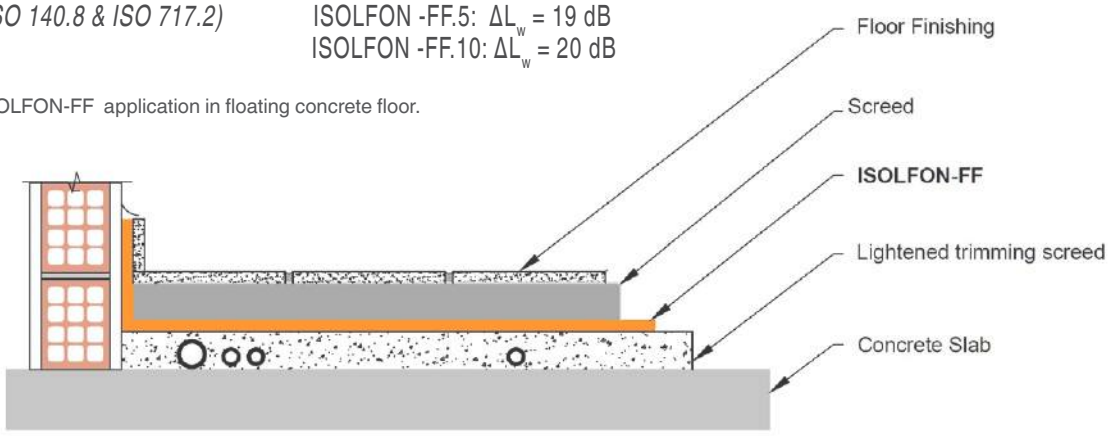
TECHNICAL CHARACTERISTICS

Dimensions:	Rolls with 5 and 10mm thickness *Other dimensions on request.*
Utilization Temperature:	-40°C +90°C
Thermal Conductivity:	0.035-0.04 Kcal/mh°C
Water absorption (EN12087:2002):	0.10% kg/m^2
Compression Resistance (ISO844)	25%Compression >0.03 Mpa 50%Compression >0.07 Mpa 75%Compression >0.18 Mpa

Improvement of Impact Noise Insulation
(According to ISO 140.8 & ISO 717.2)

ISOLFON -FF.5: ΔL_w = 19 dB
ISOLFON -FF.10: ΔL_w = 20 dB

ISOLFON-FF application in floating concrete floor.



*Our company applies the Quality Management System **ISO 9001.2008** & Environmental Management System **ISO 14001.2004***

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