

Diafon

Sound absorbing polyester *mat* made out of non-woven fabric protected by synthetic film (such as **Diafon**), or acoustic insulation from footstep noise. The mat is particularly suitable for floating floors placed between the finishing layer of the plants or the floor and Diathonite Screed generates a system that interrupts the transmission of vibrations from footsteps. Minimum features required: Noise reduction floor $L_w = 26,0$ dB; Noise reduction floor (concrete floor + *Diafon*) $L'_{nw} = 61.0$ dB; Attenuation of normalized impact sound pressure level ΔL_w of a system composed by *Diafon* + *Diathonite Screed* (5.0 cm - 1.96 in) = 22 dB; Footstep insulation index of the system composed by *Diathonite Screed* (5.0 cm - 1.96 in) + *Diafon* + hollow-core concrete floor $L'_{nw} = 58$ dB; Application thickness 3.8 mm | 0.15 inches; Thermal conductivity 0.0295 W/mK.

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