## AEROSOUND

## **ACOUSTIC SOLUTIONS**



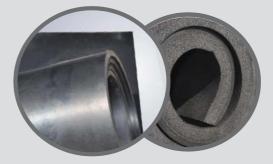


## AEROSOUND ACOUSTIC SOLUTIONS

# ACOUSTIC COMFORT

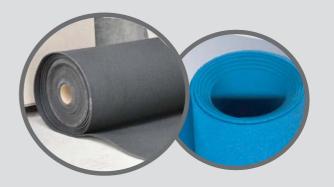
During the construction of home or an office, we focus our attention to the appropriate standard of the building, air conditioning, proper ventilation, orientation towards cardinal points of the compass, sun exposure or the distance from noise sources, such as busy roads. But often we forget about the thing that is imperceptible the acoustic comfort. The sounds of ventilation, sanitation, equipment such as lifts and compressors, and of course the sounds generated by our neighbors or even precipitation all this can cause noise disruption.

Providing adequate acoustic comfort has a substantial impact on our well-being at home, as well as efficiency and concentration at work. The most effective solution is to ensure sound isolation of each room at the stage of construction of the building and use of sound absorptive materials. However, thanks to modern technology, it is possible to increase the acoustic comfort even in projects already completed. For the best results it is worth to entrust this matter to professionals who will select the appropriate materials and install them expertly.











#### AeroSound HD - Noise Barrier

Aerosound HD is a solid flexible rubber  $4.5 - 5 \text{ kg/m}^2$  weight and 3mm thickness rendering high performance as a sound barrier, as the product itself or along with other Aerofoam products. The flexible & tough structure resist sound waves reducing noise transmission. Aerosound HD is produced and supplied considering large number of applications and market requirements.

The Aerosound HD is ideal to use in hotels and manufacturing facilities. It can reduce road noise and noice coming from compressors and generators. Does not contain fibers, asbestos, heavy metals or bitumic components.

Thickness (3mm, ±1mm Tolerance) + Size (1x1m), (1x2m)

#### AeroSound SL+ - Acoustic Lagging

Semi-open cell elastomeric foam covered with solid high mass rubber. Both layers are integrated during production process. Product is designed to reduce sound propagation coming from various sources. Product can be an excellent sound barrier as it is, or as an additional layer on existing partition. Can be used as a single product or in combination with other Aerofoam products. Moreover Aerosound SL+ can be used when thermal and acoustic insulation are required at the same time.

Thickness (8, 13, 20, 25\*mm) + Size (1x1m, 1x2m)

#### \*25mm thickness are available upon request.

#### AeroSound SLM - Acoustic Lagging

Convoluted PU foam bonded to a flexible MLV-mass loaded vinyl acoustic barrier with pure aluminium foil. Examples of applications: covering waste water or drainage pipes, garbage pipes, walls and kind of partition, ventilation fan covering, compressors units covering, engine compartments, air duct sound insulation (outside).

Thickness (25mm) + Size (1.35 x 2.5 / 5m)

#### AeroSound LX, LN - Acoustic Duct Liner

Aerosound LX Acoustic Liner is a flexible cross-linked semi open cell polyolefin foam with or without pressure sensitive adhesive on one side. Aerosound Duct Liner is designed to reduce the sound pressure level inside air ducts, but it can be successfully used in operating cabins, silencers, decompression boxes and all kind of casing. Aerosound acoustic duct liner is free of harmful irritants making it safe to handle and install. Aerosound Acoustic duct liner is an inherently fire resist-ant and high temperature foam with excellent sound absorption properties.

Aerosound LN Acoustic Liner is flexible elastomeric foam, Aerosound LN has a semi open cell structure which is suitable for thermal insulation and sound absorption, mainly inside the ducts. Due to the high chemical and biological resistance, product has a long technical life.

Thickness (15mm, 25mm) + Size (1,2x20m & 1.2 x 2.4m) \*Both products are available as Self-Adhesive. \*Other thickness are available upon request.

#### AeroSound SF - Acoustic Underlay

Aerosound SF (silent floor) is a flexible cross linked closed cell polyolefin foam with good quality, medium density underlay for all floating floor applications.

Aerosound SF is designed to reduce impact of sound in floating floor systems. Designed for use in both commercial and residential buildings, such as apartments, hotels, hospitals, schools and universities to reduce the sound transmission level to below floors. Usual application is to separate concrete base floor from final screed or screed from final finishing. Used in corners (between wall and floor) for this same reason.

Thickness (3,5,8,10mm) + Size (1,2x20m) \*Other thickness upon request.

### **TECHNICAL DATA**

Property         Value/ Assestment         Tested acc. to:           Color         Black
Available size         1mx1m or 1 mx2m (±2.5% tolerance)         Imx1m or 1 mx2m (±2.5% tolerance)           Thickness         8,13,20,25mm (±1.5mm (terrance)         Imx1m or 1 mx2m (±2.5% tolerance)           Density of solid rubber         1560-2008(ym²         Imx1m or 1 mx2m (±2.5% tolerance)           Density of solid rubber         1560-2008(ym²         Imx1m or 1 mx2m (±2.5% tolerance)           Weight         8mm (5.27kg/m²-5.32kg/m²)         Imx1m or 1 mx2m (±2.5% tolerance)           Sound Reduction Index R.         (C;Ctr) = 25 dB (-1:-4)dB         EN ISO 140-3, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12-17 dB         as per EN ISO 140-6           AeroSound SLM - Sheet 25mm - Acoustic Lagging         Property         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         Imx1m or 1 mx2m (±2.5% tolerance)         Imx1m or 1 mx2m (±2.5% tolerance)           Sound Reduction Index R.         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R.         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90         Sound Reduction (mast water system)           Sound Reduction Index R.         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90         Sound Reduction (mast water system)           Sound Reduction (w
Thickness         8,13,20,28mm (±1.5mm tolerance)           Density of elastometic foam         45-65 kg/m²           Density of sold rubber         1560-2000kg/m²-5.23kg/m²)           Weight         8mm (5.27kg/m²-5.75kg/m²)           20mm (6.00kg/m²-6.2kg/m²)         20mm (6.00kg/m²-6.2kg/m²)           Sound Reduction Index R_         (C:Cit) = 25 dB         ASTM E90, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12.17 dB         as per EN ISO 140-3, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12.17 dB         as per KNISO 14366           AeroSound SLM - sheet 25mm - Acoustic Lagging         Property         Value/Assestment         Tested acc. to:           Available size         1.5m x 2.5m / 5m (±2.5% tolerance)         ENISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R_         (C:Cit) = 25 dB (-1:-4)dB         ENISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12.14 dB         as per ENISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM C518 standard           Sound Reduction Index R_         (C:Cit) = 25 dB (-1:-4)dB         ENISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12.14 dB         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Density of elastomeric foam         45-65 kg/m <sup>2</sup> Density of solid rubber         1560-2000kg/m <sup>2</sup> Weight         8mm (5.27kg/m <sup>2</sup> -5.32kg/m <sup>2</sup> ) 13mm(6.45kg/m <sup>2</sup> -6.2kg/m <sup>2</sup> ) 25mm (6.12kg/m <sup>2</sup> -6.2kg/m <sup>2</sup> ) 30und Reduction (waste water system)         EN ISO 140-3, ASTM E413 & ASTM E90 ASTM E50, ASTM E413           AcroSound SLM - sheet 25mm - Acoustic Lagging         Tested acc. to:           Property         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m /5m (±2.5% tolerance)         Thickness /Weight           Sound Reduction Index R         (C:Ctr) = 26 dB (-1:-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R         (C:Ctr) = 26 dB (-1:-4)dB         as per EN ISO 14366           Sound Reduction Index R         C:Ctr) = 26 dB (-1:-4)dB         as per ASTM E413, ASTM E90           Sound Reduction Index R         C:Ctr) = 26 dB (-1:-4)dB         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m <sup>2</sup> /hr         as per ASTM E413, ASTM E90           Color         AS LX - XLPE Based         AS LN - NBR Based           Color
Density of elastomeric foam         45-65 kg/m <sup>2</sup> Density of solid rubber         1560-2000kg/m <sup>2</sup> Weight         8mm (5.27kg/m <sup>2</sup> -5.32kg/m <sup>2</sup> ) 13mm(6.45kg/m <sup>2</sup> -6.2kg/m <sup>2</sup> ) 25mm (6.12kg/m <sup>2</sup> -6.2kg/m <sup>2</sup> ) 30und Reduction (waste water system)         EN ISO 140-3, ASTM E413 & ASTM E90 ASTM E50, ASTM E413           AcroSound SLM - sheet 25mm - Acoustic Lagging         Tested acc. to:           Property         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m /5m (±2.5% tolerance)         Thickness /Weight           Sound Reduction Index R         (C:Ctr) = 26 dB (-1:-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R         (C:Ctr) = 26 dB (-1:-4)dB         as per EN ISO 14366           Sound Reduction Index R         C:Ctr) = 26 dB (-1:-4)dB         as per ASTM E413, ASTM E90           Sound Reduction Index R         C:Ctr) = 26 dB (-1:-4)dB         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m <sup>2</sup> /hr         as per ASTM E413, ASTM E90           Color         AS LX - XLPE Based         AS LN - NBR Based           Color
Weight         Bmm (5.27kg/m²-5.32kg/m²) 13mm (5.45kg/m²-5.75kg/m²) 25mm (6.15kg/m²-5.75kg/m²) 25mm (6.12kg/m²-6.3kg/m²) 25mm (6.12kg/m²-6.3kg/m²)         ENISO 140-3, ASTM E413 & ASTM E90           Sound Reduction Index R Formation Cases (STC)         25 dB         ASTM E90, ASTM E413         as per K5INO 14366           Sound Reduction (waste water system)         12-17 dB         as per ASTM C518 standard         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Properly         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% kolrance)         ASTM E90, ASTM E413         ASTM E90, ASTM E413           Sound Reduction Index R Sound Reduction Index R Could ransmission Class (STC)         26 dB         ASTM E90, ASTM E413         ASTM E90           Sound Reduction Index R Could State attrassion rate         c0.5 mg/m²/hr         as per ASTM D5116         Continuous           Operating temperature range (°C)         -40°C to +100°C         Continuous         Continuous           AeroSound LX, LN (15,25mm) - Acoustic Duct Liner         Fested acc. to:         AS LN - NBR Based         Continuous           AreoSound LX, LN (15,25mm) - Acoustic Duct Liner         Fested acc. to:         AS LN - NBR Based         As per ISO 354           Color         Greg (other colors on request)         Black         Ism (0.3kg/m²)         Ism (0.3kg/m²)         Z
13mm (5.45kg/m²-5.75kg/m²)         20mm (6.12kg/m²-6.2kg/m²)           Sound Reduction Index R+         (C,Ct) = 25 dB (-1:-4)dB         EN ISO 140-3, ASTM E413 & ASTM E90           Sound Transmission Class (STC)         25 dB         ASTM E90, ASTM E413         as per EN ISO 14366           Sound Transmission Class (STC)         0.034 W/mK at 23°C         as per EN ISO 14366         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Property         Value/ Assestment         Tested acc. to:           Available size         1.35m x2.5m / 5m (±2.5% tolerance)         Im (±2.5% tolerance)         Im (±2.5% tolerance)           Thickness / Weight         25mm (±2.5% tolerance)         Im (±2.5% tolerance)         Im (±2.5% tolerance)         Im (±2.5% tolerance)           Sound Reduction Index R+         (C,Ct) = 26 dB (-1:-4)dB         EN ISO 14366         EN ISO 14366           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard         Im (±2.5% tolerance)         Im (±1.4%)         Im (±2.5% tolerance)         Im (±1.4%)           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard         Im (±1.4%)         Im (±1.4%)<
20mm (6.00kg/m²-6.2kg/m²)         25mm (6.00kg/m²-6.2kg/m²)           Sound Reduction Index R*         (C,Ctr) = 25 dB (-1;-4)dB         EN ISO 140-3, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12-17 dB         as per EN ISO 14366           Thermal conductivity of foam core         0.034 W/mk at 23°C         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Tested acc. to:           Available size         1.35m 2.5m / 5m (±2.5% tolerance)           Thickness / Weight         25mm (±2mm tolerance) / 5 kg /m² ±5%           Sound Reduction Index R*         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R*         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R*         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R*         (C;Ctr) = 26 dB (-1;-4)dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mk at 23°C         as per ASTM D5116           Sound Reduction Index R*         (C;Ctr) = 26 dB (-1;-4)dB         es per ASTM D5116           Operating temperature range (°C)         -40°C to +100°C         Continuous           AeroSound LX         (420°m tolerance)         Isom (0.400°m²(±10% tolerance)         Isom (0.400°m²(±10% tolerance)
25mm (6: 12kg/m²-6.3kg/m²)         EN ISO 140-3, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12-17 dB         ASTM E90, ASTM E413 & ASTM E90           Sound Reduction (waste water system)         12-17 dB         as per EN ISO 14366           Thermal conductivity of foam core         0.034 W/mK at 23°C         as per ASTM C518 standard           AeroSound SLM - sheet 250mm - Acoustic Lagging         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         Tested acc. to:           Sound Reduction Index R,         (C;Ctr) = 26 dB (-1;-4)dB         ASTM E90, ASTM E413           Sound Reduction Index R,         (C;Ctr) = 26 dB (-1;-4)dB         ASTM E90, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Sound Reduction Index R_         (C; Ctr) = 25 dB (-1;-4)dB         EN ISO 140-3, ASTM E413 & ASTM E90           Sound Transmission Class (STC)         25 dB         ASTM E90, ASTM E413           Sound Reduction (waste water system)         12-17 dB         as per EN ISO 14366           Thermal conductivity of foam core         0.034 W/mK at 23°C         as per EN ISO 14366           AeroSound SLM - sheet 25mm - Accoustic Lagging         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         ASTM E90, ASTM E413           Sound Reduction Index R_         (C; Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R_         (C; Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Sound Transmission Class (STC)         25 dB         ASTM E90, ASTM E413           Sound Reduction (waste water system)         12-17 dB         as per EN ISO 14366           Thermal conductivity of foam core         0.034 W/mK at 23°C         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         Thickness / Weight           Sound Reduction Index R         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction Index R_         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard           Total VOC emission rate         <0.42 W/mK at 23°C
Sound Reduction (waste water system)         12-17 dB         as per EN ISO 14366           Thermal conductivity of foam core         0.034 W/mK at 23°C         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Property         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         ASTM E90, ASTM E413         Sound Transmission Class (STC)         26 dB         ASTM E90, ASTM E413           Sound Reduction Index R_         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90         as per ASTM C518 standard           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard         Total VOC emission rate         <0.5 mg/m²/hr
Thermal conductivity of foam core         0.034 W/mK at 23°C         as per ASTM C518 standard           AeroSound SLM - sheet 25mm - Acoustic Lagging         Tested acc. to:           Property         Value/Assestment         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)         ASTM E90, ASTM E413           Sound Transmission Class (STC)         26 dB         ASTM E90, ASTM E413           Sound Reduction Index R <sub>*</sub> (C:Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per FN ISO 14366           Sound Reduction (waste water system)         0.042 W/mK at 23°C         as per ASTM C518 standard           Operating temperature range (°C)         -40°C to +100°C         Continuous           AeroSound LX, LN (15,25mm) - Acoustic Duct Liner         Tested acc. to:           Property         Value/ Assestment         Tested acc. to:           As Lx - XLPE Based         AS LN - NBR Based         Eack           Color         Greg (other colors on request)         Black         Black           Available size         1,2mx20m (±10% tolerance)         15mm (0.38kg/m²-0.99kg/m²)         As per ISO 354           NRC         Thickness         NRC         Thickness         NRC           15mm
AeroSound SLM - sheet 25mm - Acoustic Lagging     Tested acc. to:       Available size     1.35m x 2.5m / 5m (±2.5% tolerance)     Tested acc. to:       Available size     1.35m x 2.5m / 5m (±2.5% tolerance)     ASTM E90, ASTM E413       Sound Transmission Class (STC)     26 dB     ASTM E90, ASTM E413       Sound Reduction Index R*     (C;Ctr) = 26 dB (-1;-4)dB     EN ISO 140-3, ASTM E413, ASTM E90       Sound Reduction (waste water system)     12-14 dB     as per ASTM C518 standard       Total VOC emission rate     <0.5 mg/n <sup>3</sup> /hr     as per ASTM D5116       Operating temperature range (°C)     -40°C to +100°C     Continuous       AeroSound LX, LN (15,25mm) - Acoustic Duct Liner     Property     Value/ Assestment       As Lx - XLPE Based     AS LN - NBR Based     Cortinuous       Available size     1,2mx20m (±20mm tolerance)     Insm (0.34kg/m²-0.99kg/m²)       Thickness     15,25mm (-1mm+1.5mm tolerance)     Insm (0.34kg/m²-0.41kg/m²)       Isq. m weight     15mm (0.34kg/m²-0.41kg/m²)     25mm (0.35kg/m²-1.65kg/m²)       Noise reduction     AeroSound LX     AeroSound LN     AreroSound LN       Thickness     NRC     Thickness     NRC       Tisken ss     NRC     Thickness     As per ISO 354       Fire resistance     Class O     Class O     as per ASTM D5116)       Fire resistance     Class O<
Property         Value/ Assestment         Tested acc. to:           Available size         1.35m x 2.5m / 5m (±2.5% tolerance)            Thickness / Weight         25mm (±2mm tolerance) / 5 kg /m² ±5%            Sound Transmission Class (STC)         26 dB         ASTM E90, ASTM E413           Sound Reduction Index R_         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM D518 standard           Total VOC emission rate         <0.5 mg/m² /hr
Available size         1.35m x 2.5m / 5m (±2.5% tolerance)           Thickness / Weight         25mm (±2mm tolerance) / 5 kg /m² ±5%           Sound Transmission Class (STC)         26 dB           Sound Reduction Index R_         (C:Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E403           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m² /hr
Thickness / Weight         25mm (±2mm tolerance) / 5 kg /m² ±5%         ASTM E90, ASTM E413           Sound Transmission Class (STC)         26 dB         ASTM E90, ASTM E413           Sound Reduction Index R_w         (C:Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Sound Transmission Class (STC)         26 dB         ASTM E90, ASTM E413           Sound Reduction Index R <sub>w</sub> (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per ASTM C518 standard           Thermal Conductivity         0.042 W/mk at 23°C         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Sound Reduction Index R.         (C;Ctr) = 26 dB (-1;-4)dB         EN ISO 140-3, ASTM E413, ASTM E90           Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Sound Reduction (waste water system)         12-14 dB         as per EN ISO 14366           Thermal Conductivity         0.042 W/mK at 23°C         as per ASTM C518 standard           Total VOC emission rate         <0.5 mg/m²/hr
Thermal Conductivity     0.042 W/mK at 23°C     as per ASTM C518 standard       Total VOC emission rate     <0.5 mg/m²/hr
Total VOC emission rate         <0.5 mg/m²/hr         as per ASTM D5116           Operating temperature range (°C)         -40°C to +100°C         Continuous           AeroSound LX, LN (15,25mm) - Acoustic Duct Liner         Tested acc. to:           Property         Value/ Assestment         Tested acc. to:           AS LX - XLPE Based         AS LN - NBR Based         Color           Grey (other colors on request)         Black            Available size         1,2mx20m (±20mm tolerance)            Thickness         15,25mm (-1mm+1.5mm tolerance)            Density of foam         30kg/m³(±10% tolerance)         Ibm (0.81kg/m²-0.99kg/m²)         25mm (0.56kg/m²-0.69kg/m²)           1sq. m weight         15mm (0.56kg/m²-0.69kg/m²)         25mm (1.35kg/m²-1.65kg/m²)         As per ISO 354           Noise reduction         AeroSound LX         AeroSound LN         As per ISO 354           ¶         15mm         0.32         25mm         0.40-0.50           ¶         0.400         40mm         0.50-0.60         As per ISO 354           §         [Fire resistance         Class O         [Fis: 15 & SDI: 25]         Class O         as per ASTM D5116)           Maximum air velocity         25.4 m/s (5000fpm)         VOC level         <4µg/m2/hr
Operating temperature range (°C)       -40°C to +100°C       Continuous         AeroSound LX, LN (15,25mm) - Acoustic Duct Liner       Tested acc. to:         Property       Value/ Assestment       Tested acc. to:         AS LX - XLPE Based       AS LN - NBR Based       Image: Continuous         Color       Grey (other colors on request)       Black       Image: Continuous         Available size       1,2mx20m (±20mm tolerance)       End (0.4% (20mm))       Continuous         Thickness       15,25mm (-1mm+1.5mm tolerance)       Molerance)       As per ISO 354         Density of foam       30kg/m² (±10% tolerance)       I fom (0.3ktg/m²-0.69kg/m²)       25mm (1.35kg/m²-1.65kg/m²)       As per ISO 354         Noise reduction       AeroSound LX       AeroSound LN       AeroSound LN       As per ISO 354         G       Airs m (0.35       25mm (0.35-0.45       NRC       as per BS 476 Part 6 & 7 and ASTM E84         Fire resistance       Class O (FSI: 15 & SDI: 25)       Class O (FSI: 15 & SDI: 25)       as per ASTM D5116)       as per ASTM D5116)         VOC level       ✓       Yes       as per ASTM G21         AeroSound SF - sheet (3,5,8,10mm) Acoustic Underlay       Yes       as per ASTM G21
AeroSound LX, LN (15,25mm) - Acoustic Duct LinerPropertyValue/ AssestmentTested acc. to:AS LX - XLPE BasedAS LN - NBR BasedColorGrey (other colors on request)BlackAs LN - NBR BasedAvailable size1,2mx20m (±20mm tolerance)Imm+1.5mm tolerance)Thickness15,25mm (-1mm+1.5mm tolerance)Imm (0.34kg/m²-0.41kg/m²)Density of foam30kg/m³ (±10% tolerance)Imm (0.81kg/m²-0.99kg/m²)1sq. m weight15mm (0.34kg/m²-0.69kg/m²)25mm (0.38kg/m²-1.65kg/m²)Noise reductionAeroSound LXAeroSound LNThicknessNRCThickness15mm0.2015mm0.3525mm0.40-0.5040mm0.4040mm0.4040mm0.4040mm0.4040mmValue/ AssestSDI: 25)Voc level<4µg/m2/hr
PropertyValue/ AssestmentTested acc. to:AS LX - XLPE BasedAS LN - NBR BasedColorGrey (other colors on request)BlackAs LN - NBR BasedAvailable size1,2mx20m (±20mm tolerance)Image: State of the state of
PropertyValue/ AssestmentTested acc. to:AS LX - XLPE BasedAS LN - NBR BasedColorGrey (other colors on request)BlackAs LN - NBR BasedAvailable size1,2mx20m (±20mm tolerance)Image: State of the state of
AS LX - XLPE Based         AS LN - NBR Based           Color         Grey (other colors on request)         Black         Image: Color co
Color         Grey (other colors on request)         Black         Available size         1,2mx20m (±20mm tolerance)           Thickness         15,25mm (-1mm+1.5mm tolerance)         60kg/m³ (±10% tolerance)         1         1           Density of foam         30kg/m³ (±10% tolerance)         60kg/m³ (±10% tolerance)         1         1           1sq. m weight         15mm (0.34kg/m²-0.41kg/m²)         15mm (0.81kg/m²-0.99kg/m²)         25mm (0.56kg/m²)         25mm (0.56kg/m²)           Noise reduction         AeroSound LX         AeroSound LN         As per ISO 354           Thickness         NRC         Thickness         NRC           15mm         0.20         15mm         0.35-0.45           25mm         0.35         25mm         0.40-0.50           40mm         0.40         40mm         0.50-0.60           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         4s per ASTM D5116)         as per ASTM D5116)           VOC level         <4µg/m2/hr
Available size     1,2mx20m (±20mm tolerance)       Thickness     15,25mm (-1mm+1.5mm tolerance)       Density of foam     30kg/m³ (±10% tolerance)       1sq. m weight     15mm (0.34kg/m²-0.41kg/m²)       1sq. m weight     15mm (0.34kg/m²-0.41kg/m²)       25mm (0.56kg/m²-0.69kg/m²)     25mm (0.81kg/m²-0.99kg/m²)       25mm (0.56kg/m²-0.69kg/m²)     25mm (1.35kg/m²-1.65kg/m²)       Noise reduction     AeroSound LX     AeroSound LN       Thickness     NRC     Thickness       15mm     0.20     15mm       25mm     0.35     25mm       25mm     0.35     25mm       40mm     0.40     40mm       0.40     40mm     0.50-0.60   Fire resistance Class O (FSI: 15 & SDI: 25) Class O (FSI: 25 & SDI: 30) As per ISO 354 As per ISO 35
Thickness         15,25mm (-1mm+1.5mm tolerance)         Accord           Density of foam         30kg/m³ (±10% tolerance)         60kg/m³ (±10% tolerance)         Accord           1sq. m weight         15mm (0.34kg/m²-0.41kg/m²)         15mm (0.81kg/m²-0.99kg/m²)         Accord           1sq. m weight         15mm (0.34kg/m²-0.69kg/m²)         25mm (0.56kg/m²-0.69kg/m²)         Accord           Noise reduction         AcroSound LX         AcroSound LN         Accord           Thickness         NRC         Thickness         NRC           15mm         0.20         15mm         0.35-0.45           25mm         0.35         25mm         0.40-0.50           40mm         0.40         40mm         0.50-0.60         as per BS 476 Part 6 & 7 and ASTM E84           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per ASTM D5116)           Maximum air velocity         25.4 m/s (5000fpm)         (as per ASTM D5116)           VOC level         <4µg/m2/hr
Density of foam         30kg/m³ (±10% tolerance)         0         60kg/m³ (±10% tolerance)         1           1sq. m weight         15mm (0.34kg/m²-0.41kg/m²)         15mm (0.81kg/m²-0.99kg/m²)         25mm (1.35kg/m²-1.65kg/m²)         AeroSound LX         AeroSound LN         AeroSound LN         As per ISO 354           Noise reduction         AeroSound LX         AeroSound LN         AeroSound LN         As per ISO 354         As per ISO 354           Thickness         NRC         Thickness         NRC         15mm         0.35-0.45         As per ISO 354           25mm         0.35         25mm         0.40-0.50         As per ISO 354         As per ISO 354           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         and ASTM E84           VOC level         <4µg/m2/hr
25mm (0.56kg/m²-0.69kg/m²)         25mm (1.35kg/m²-1.65kg/m²)           Noise reduction α         AeroSound LX         AeroSound LN         As per ISO 354           Thickness         NRC         Thickness         NRC         Thickness         NRC           15mm         0.20         15mm         0.35-0.45         As per ISO 354         As per ISO 354           40mm         0.35         25mm         0.40-0.50         As per ISO 354         As per ISO 354           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         As per ASTM D5116)         As per ASTM D5116)           VOC level         <4µg/m2/hr
Noise reduction αAeroSound LXAeroSound LNAs per ISO 354ThicknessNRCThicknessNRC15mm0.2015mm0.35-0.4525mm0.3525mm0.40-0.5040mm0.4040mm0.50-0.60Fire resistanceClass O (FSI: 15 & SDI: 25)Class O (FSI: 25 & SDI: 30)Maximum air velocity25.4 m/s (5000fpm)VOC level<4µg/m2/hr
α         Thickness         NRC         Thickness         NRC           15mm         0.20         15mm         0.35-0.45         0.35-0.45           25mm         0.35         25mm         0.40-0.50         0.40-0.50           40mm         0.40         40mm         0.50-0.60         as per BS 476 Part 6 & 7 and ASTM E84           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         (as per ASTM D5116)           VOC level         <4µg/m2/hr
α         Thickness         NRC         Thickness         NRC           15mm         0.20         15mm         0.35-0.45         0.35-0.45           25mm         0.35         25mm         0.40-0.50         0.40-0.50           40mm         0.40         40mm         0.50-0.60         as per BS 476 Part 6 & 7 and ASTM E84           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         and ASTM E84           VOC level         <4µg/m2/hr
25mm         0.35         25mm         0.40-0.50           40mm         0.40         40mm         0.50-0.60         as per BS 476 Part 6 & 7 and ASTM E84           Fire resistance         Class O (FSI: 15 & SDI: 25)         Class O (FSI: 25 & SDI: 30)         as per BS 476 Part 6 & 7 and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         and ASTM E84           VOC level         <4µg/m2/hr
Admm     Outer     Outer       40mm     0.40     40mm     0.50-0.60       Fire resistance     Class O (FSI: 15 & SDI: 25)     Class O (FSI: 25 & SDI: 30)     as per BS 476 Part 6 & 7 and ASTM E84       Maximum air velocity     25.4 m/s (5000fpm)     and ASTM E84       VOC level     <4µg/m2/hr
Fire resistance       Class O (FSI: 15 & SDI: 25)       Class O (FSI: 25 & SDI: 30)       as per BS 476 Part 6 & 7 and ASTM E84         Maximum air velocity       25.4 m/s (5000fpm)       and ASTM E84         VOC level       <4µg/m2/hr
(FSI: 15 & SDI: 25)         (FSI: 25 & SDI: 30)         and ASTM E84           Maximum air velocity         25.4 m/s (5000fpm)         (as per ASTM D5116)           VOC level         <4µg/m2/hr
Maximum air velocity     25.4 m/s (5000fpm)       VOC level     <4µg/m2/hr
VOC level     <4µg/m2/hr     (as per ASTM D5116)       Antifungal     Yes     as per ASTM G21       AeroSound SF - sheet (3,5,8,10mm) Acoustic Underlay     Property     Value/ Assestment
Antifungal         Yes         as per ASTM G21           AeroSound SF - sheet (3,5,8,10mm) Acoustic Underlay         Property         Value/ Assestment
AeroSound SF - sheet (3,5,8,10mm) Acoustic Underlay         Property       Value/ Assestment         Tested acc. to:
Property Value/Assestment Tested acc. to:
Available size 1,2mx20m (±20mm tolerance)
Available thickness 3,5,8,10mm (-1mm+1.5mm tolerance)
Density of foam 25 kg/m <sup>3</sup> (±10% tolerance)
Max. load 400kg/m <sup>2</sup>
Water asorption         0.05 [Kg/m²]         BS EN 12087:1997
Impact cound reduction
ampact sound reduction 3mm 5mm 8mm 10mm ASTME 1007

UAE/151017-VER AS-0.2