# ISOLBAEND

## HIGH ACOUSTIC PERFORMANCE RESILIENT MATERIAL MADE UP OF RUBBER AND POLYESTER FIBRE FOR IMPACT SOUND NOISES ACOUSTIC INSULATION

Resilient wall cut band for floors decoupling of internal vertical partitions, made up of natural and synthetic elastomeric compounds coming from the recycling of ELT (end of life tyres), bound by mass-polymerized polyurethanes.

## ACOUSTIC PERFORMANCES

| DESCRIPTION | SYMBOL | M.U. | VALUE | NORMS | NOTES |
|---|---|---|---|---|---|
| Absolute dynamic rigidity | (s't) | $MN/m^3$ | 66 | UNI EN 29052-1 | Cert. n° AE -107004-MG-B |
| | | | | | |
| Resonance frequency | ($f_0$) | Hz | 91 | UNI EN 29052-1 | Cert. n° AE -107004-MG-B |
| | | | | | |
| Impact sound noise attenuation level | ($\Delta L_w$) | dB | 21 | UNI EN 12354-2 | Screed weight 115 $Kg/m^2$ |
| | | | | | |

## THERMAL PERFORMANCES

| DESCRIPTION | SYMBOL | M.U. | VALUE | NORMS | NOTES |
|---|---|---|---|---|---|
| Thermal Conductivity | (λ) | W/mK | 0,1226 | UNI EN 12667:2002 | Cert. n° 079-09-the TR |
| | | | | | |
| Thermal Resistance | (R) | $m^2 K/W$ | 0,033 | UNI EN 12667:2002 | Calculated value |
| | | | | | |
| Thermal Transmission | (U) | $W/m^2 K$ | 30,30 | UNI EN 12667:2002 | Calculated value |

## PHYSICAL-MECHANICAL PERFORMANCES

| DESCRIPTION | M.U. | VALUE | TOLERANCES | NORMS |
|---|---|---|---|---|
| Rubber density | $Kg/m^3$ | 750 | ± 7 % | |
| | | | | |
| Rubber thickness | mm | 4 | ± 10 % | |
| | | | | |



**Valli Zabban S.p.A.** • Società Unipersonale • Share Capital € 5.000.000 i.v.
**Head Office**
50041 Calenzano (FI) Italy, via di Le Prata, 103 • tel. +39.055.32804.1 • fax +39.055.300300
www.vallizabban.com • info@vallizabban.it • vallizabban@pec.it
C.C.I.A.A. Florence N. 05476750483 • R.E.A. FI 549826 • VAT IT 05476750483

| DESCRIPTION | M.U. | RUBBER VALUE | NORMS |
|---|---|---|---|
| Elongation percentage at break | % | 27 | |
| | | | |
| Heat resistance | ℃ | Up to + 80 | |
| | | | |
| Cold resistance | ℃ | Up to -30 | |
| | | | |
| Fire rating | | B2 | D |
| | | | |
| SHORE A hardness | | 50 | |
| | | | |
| Compression Resistance | kPa | 21 $\sigma_{10}$ – 145 $\sigma_{25}$ | UNI EN ISO 844:2009 |
| | | | |

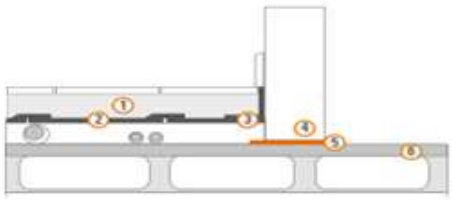
## CHEMICAL PERFORMANCES

| CHARACTERISTIC | PERFORMANCES |
|---|---|
| Chemical interactions | Highly resistant to acids and alkaline detergents, retains its characteristics unchanged over time |
| | |
| Electrostatic | Does not accumulate static charge and prevent interaction between materials |
| | |
| Environmental sustainability | 100 % recyclable |

## SPECIFICATION

The acoustic insulation from vibrations coming from non supporting internal vertical partitions, necessary to complete the floating floor system for impact sound noises acoustic insulation, obtained by laying, at the base or at the top, an elastic-resilient wall cut band of 750 kg/m$^3$specific weight made up of natural and synthetic elastomeric granules bound by mass-polymerized polyurethane resins, dynamic rigidity equal to 66 MN/m$^3$ such as ISOLBAEND by VALLI ZABBAN.

## APPLICATION – FLOOR



1) Screed
2) Resilient material (against impact sound noise)
3) **ISOLBAEND V**
4) Wall
5) ISOLBAEND
6) Concrete layer

## APPLICATION TYPE

Decoupling mat laid directly on the bare floor

APPLICATION METHOD

1. Lay the rubber ISOLBAEND band on the unrefined floor
2. Build the vertical brick wall on top of the band.
3. Make sure the wall width is not bigger or equal to the ISOLBAEND band.

## DIMENSIONS AND PACKAGING

| SIZE | M.U. | VALUE |
|---|---|---|
| Thickness | mm | 4 |
| | | |
| Roll height | cm | 15-20-30-40 |
| | | |
| Roll length | ml | 15 |

Rev. 4 – 10/20



**Valli Zabban S.p.A.** • Società Unipersonale • Share Capital € 5.000.000 i.v.
**Head Office**
50041 Calenzano (FI) Italy, via di Le Prata, 103 • tel. +39.055.32804.1 • fax +39.055.300300
www.vallizabban.com • info@vallizabban.it • vallizabban@pec.it
C.C.I.A.A. Florence N. 05476750483 • R.E.A. FI 549826 • VAT IT 05476750483