



## arena APTA

### Partition walls



#### Description

Semi-rigid panels and rolls of arena mineral wool ISOVER, non-hydrophilic, unfaced. Produced to achieve the highest thermal and acoustic properties in building.

#### Applications

Due to excellent thermal and acoustic properties, arena mineral wool products range of ISOVER is the best choice for:

- Partition walls, particularly drywall with metal stud.
- Thermal and acoustic insulation in façades using lining or chambers.
- Insulation of horizontal enclosures with no loads.

#### Advantages

- Optimum thermal and acoustic insulation of both vertical and horizontal interior partitions.
- Suitable for new and renovation works. Specifically developed to be applied in laminated plasterboard solutions with profiling.
- The ISOVER arena technology allows the product to have a pleasant touch for the applicator.
- Different modulations of width, 400 mm and 600 mm.
- Sustainable product with a composition of more than 50% recycled material. 100% recyclable material.
- Inert material, inhospitable for micro-organisms.
- Maintains system performance throughout the useful life of the building, it does not degrade over time.



#### Certificates



## CTE Technical properties

| Symbol      | Parameter                                          | Units                | Value | Norm                 |
|-------------|----------------------------------------------------|----------------------|-------|----------------------|
| $\lambda_D$ | Stated thermal conductivity                        | W/m.K                | 0.034 | EN 12667<br>EN 12939 |
| $C_p$       | Approximate specific heat                          | J/(Kg.K)             | 800   | -                    |
| $AF_R$      | Resistance to air flow                             | kPa.s/m <sup>2</sup> | > 5   | EN 29053             |
| -           | Reaction to fire                                   | Euroclase            | A1    | EN 13501-1           |
| WS          | Water absorption                                   | kg/m <sup>2</sup>    | < 1   | EN 1609              |
| MU          | Resistance to water vapour diffusion factor, $\mu$ | -                    | 1     | EN 12086             |
| DS          | Dimensional stability, $\Delta\epsilon$            | %                    | < 1   | EN 1604              |

| Thickness<br>d, mm | Stated thermal resistance<br>$R_D$ , m <sup>2</sup> .K/W | Acoustic absorption coefficient<br>AW, $\alpha_w$ | Designation code                            |
|--------------------|----------------------------------------------------------|---------------------------------------------------|---------------------------------------------|
| EN 823             | EN 12667<br>EN 12939                                     | EN ISO 354                                        | EN 13162                                    |
| 30                 | 0.85                                                     | 0.60                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,60-AFr5 |
| 48                 | 1.40                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 48                 | 1.40                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 48                 | 1.40                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 48                 | 1.40                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 55                 | 1.60                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 55                 | 1.60                                                     | 0.70                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,70-AFr5 |
| 65                 | 1.90                                                     | 0.80                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,80-AFr5 |
| 65                 | 1.90                                                     | 0.80                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,80-AFr5 |
| 65                 | 1.90                                                     | 0.80                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW0,80-AFr5 |
| 90                 | 2.60                                                     | 1.00                                              | MW-EN 13162-T3-DS(23,90)-WS-MU1-AW1-AFr5    |

## Presentation

|       | Thickness<br>d (mm) | Length<br>l (m) | Width<br>b (m) | m <sup>2</sup><br>/pack | m <sup>2</sup><br>/pallet | m <sup>2</sup><br>/truck |
|-------|---------------------|-----------------|----------------|-------------------------|---------------------------|--------------------------|
| Panel | 30                  | 1.35            | 0.60           | 17.82                   | 356.40                    | 6415                     |
| Panel | 48                  | 1.35            | 0.40           | 10.80                   | 194.40                    | 3499                     |
| Panel | 48                  | 1.35            | 0.60           | 11.34                   | 272.16                    | 4899                     |
| Panel | 55                  | 1.35            | 0.40           | 9.72                    | 174.96                    | 3149                     |
| Panel | 55                  | 1.35            | 0.60           | 9.72                    | 194.40                    | 3499                     |
| Panel | 65                  | 1.35            | 0.40           | 8.64                    | 155.52                    | 2799                     |
| Panel | 65                  | 1.35            | 0.60           | 8.10                    | 194.00                    | 3499                     |
| Panel | 90                  | 1.35            | 0.60           | 6.48                    | 155.52                    | 2799                     |
| Roll  | 48                  | 10.00           | 0.40           | 12.00                   | 360.00                    | 6480                     |
| Roll  | 48                  | 10.00           | 0.60           | 12.00                   | 360.00                    | 6480                     |
| Roll  | 65                  | 7.00            | 0.40           | 8.40                    | 252.00                    | 4536                     |
| Roll  | 65                  | 7.00            | 0.60           | 8.40                    | 252.00                    | 4536                     |



## Installation guide

Additional information available at: [www.isover.es](http://www.isover.es)

