




Top Marks in Acoustic System Testing!

# Practical Insulation

İzocam Optima Smart takes the form of a board when opened and packaged in rolls and is pre-cut to various widths to fit profile spacing requirements for different applications.

It is used on partition walls, adjacent walls, and inner surfaces of the exterior walls to ensure sound insulation, thermal insulation, and fire safety.

Offering easy application and customizable sizing, Optima Smart and Optima Smart S are truly "**Master-Friendly.**"

Optima Smart S, a more compact version of Optima Smart, stands out by allowing higher unit capacity on trucks, pallets, and in storage.

Master Friendly | Sound Insulation | Fire Safety | Thermal Insulation

**optima | smart**

- **Class-A soundproofing**
- **Practical application for 40 cm and 60 cm profile spacing**
- **Time-saving**
- **Efficient storage for construction sites**

**optima | smart S**

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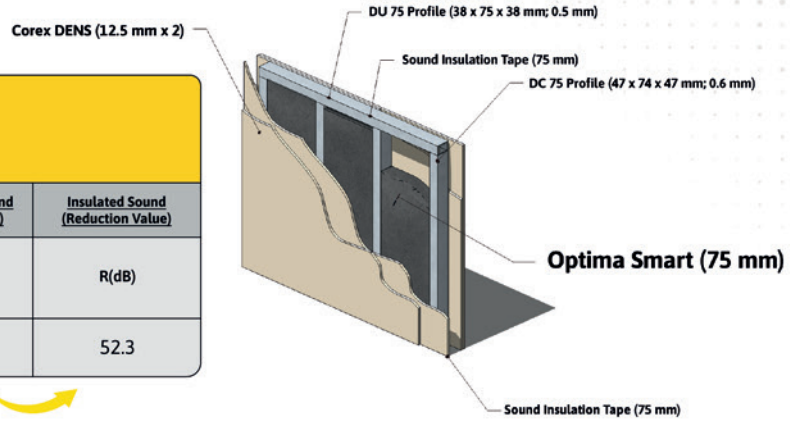
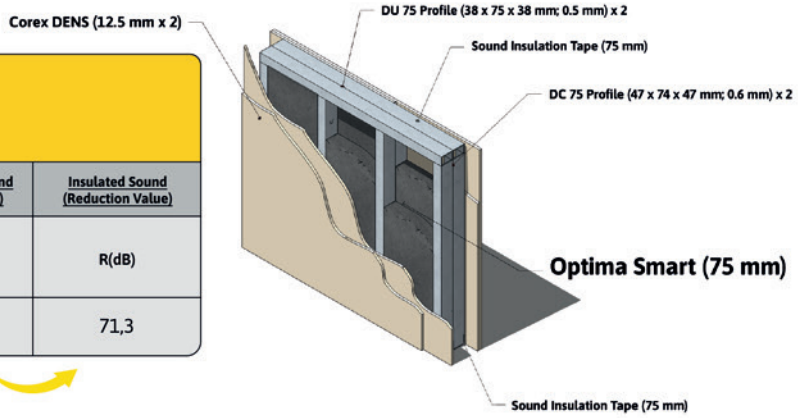
# ACOUSTIC TESTING

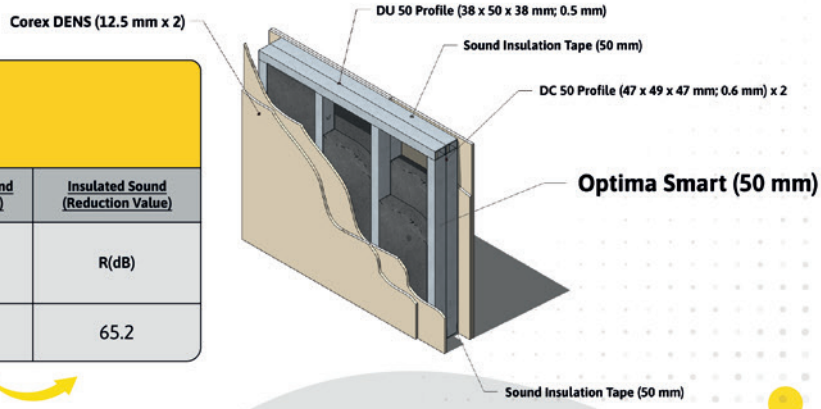
| Double-layer drywall on both sides + Single 75 mm Optima Smart profile layer | | | | | |
|---|---|---|---|---|---|
| **Dimensions** | | **Drywall** | **Insulation Material** | **Non-Insulated Sound (Reduction Value)** | **Insulated Sound (Reduction Value)** |
| Wall Thickness (mm) | Profile (mm) | Thickness (mm) | **Thickness (mm)** | **R(dB)** | **R(dB)** |
| 125 | 75 | 2x(12,5+12,5) | 75 | 45 | 52.3 |




| Double-layer drywall on both sides + Double 75 mm Optima Smart profile layer | | | | | |
|---|---|---|---|---|---|
| **Dimensions** | | **Drywall** | **Insulation Material** | **Non-Insulated Sound (Reduction Value)** | **Insulated Sound (Reduction Value)** |
| Wall Thickness (mm) | Profile (mm) | Thickness (mm) | **Thickness (mm)** | **R(dB)** | **R(dB)** |
| 200 | 2x75 | 2x(12,5+12,5) | 2x75 | 54 | 71,3 |




| Double-layer drywall on both sides + Double 50 mm Optima Smart profile layer | | | | | |
|---|---|---|---|---|---|
| **Dimensions** | | **Drywall** | **Insulation Material** | **Non-Insulated Sound (Reduction Value)** | **Insulated Sound (Reduction Value)** |
| Wall Thickness (mm) | Profile (mm) | Thickness (mm) | **Thickness (mm)** | **R(dB)** | **R(dB)** |
| 150 | 2x50 | 2x(12,5+12,5) | 2x50 | 46 | 65.2 |




Insulated acoustic measurements were performed in accordance with the ISO 10140-2:2021 method. Non-insulated values were obtained using the INSUL sound insulation prediction program, with an allowable deviation of ±3 dB.