

# BIWALL 50/20

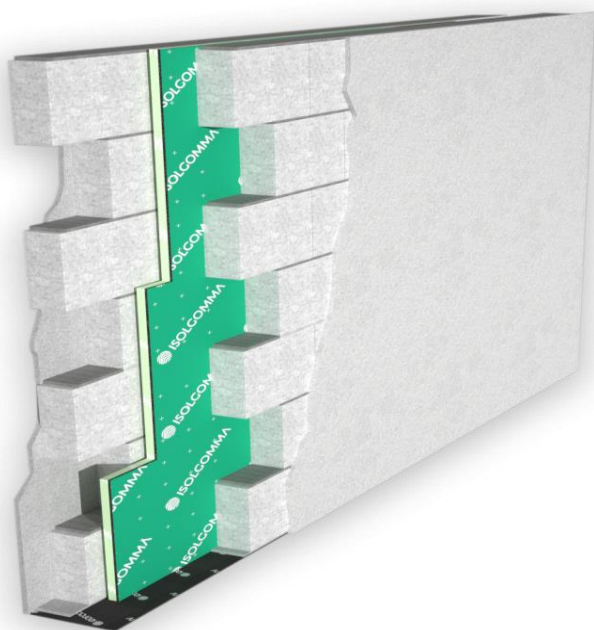
## ACOUSTIC INSULATION FOR WALLS



AIRBORNE NOISE THERMAL ACOUSTIC INSULATION CONSISTING OF A POLYESTER FIBRE PANEL AND A RUBBER GRANULES PANEL

### ■ TECHNICAL SPECIFICATION

Wall airborne noise insulation in 50 mm thick pre-assembled panels made of a panel 20 mm thickness rubber granules from End-of-Life Tyres (ELTs) and EPDM rubber granules anchored to a non-woven anti-stretch synthetic backing and hot pressed with polyurethane binder; a 30 mm thick polyester fibre panel with density 30 kg/m<sup>3</sup>. The panels dimensions are 1,20 m length and 1 m width.



### ■ CERTIFIED ACOUSTIC IMPROVEMENT

Ideal for double walls acoustic insulation. The presence of the rubber panel gives mechanical stability to the product and excellent acoustic performance

### ■ FLEXIBILITY

Pre-assembled product moisture resistant, Biwall does not release dust. The elasticity of the product allows to adapt to different situations on site

### ■ LAYING COSTS REDUCTION

The panel size allows fast on-site management, easy dry application or with specific glue

### ■ TO BE USED WITH

Ideal for heavy walls cavities, acoustic insulation of technical cavediums

### ■ TECHNICAL DATA

Thickness	50 mm
Length	1,00 m
Width	1,20 m
Mass per unit area	14,9 kg/m <sup>2</sup>

Reaction to fire	E
Thermal conductivity coefficient $\lambda$	0,060 W/m K
Transmission Loss Rw	59 dB
Wall composition - 280 mm thick Plaster 15 mm, 100 mm light aerated concrete block, Biwall 50/20, 100 mm light aerated concrete block, plaster 15 mm	

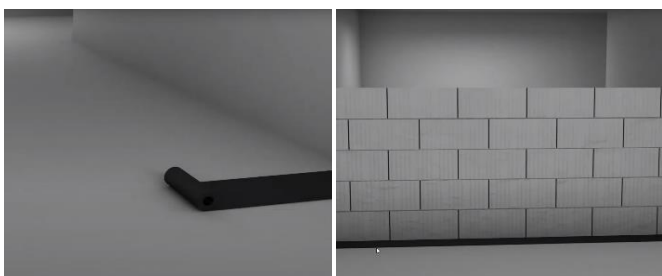
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### INSTALLATION INSTRUCTIONS FOR ACOUSTIC INSULATION FOR WALLS BIWALL

**1** Lay the under wall strip in the dry floor and build the wall



**2** Apply in the first wall a layer of row mortar of about 1 cm thickness



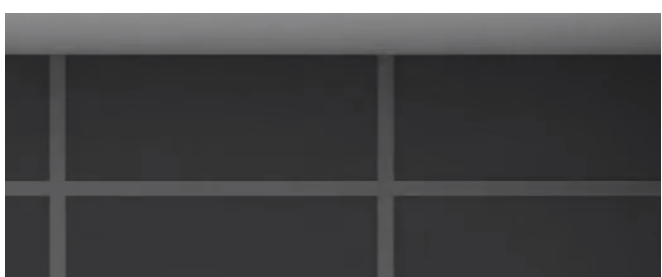
**3** Lay points of a gypsum-based glue on the ground panel or use a low-expansion polyurethane glue



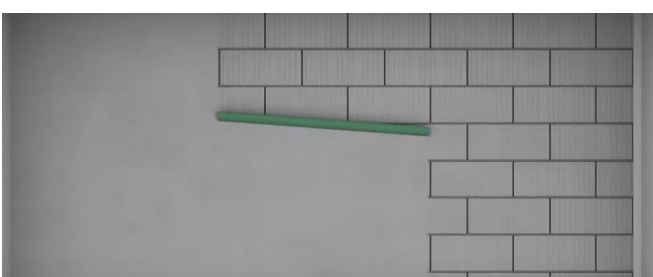
**4** Apply the panel on the wall by forcing with homogeneous pressure



**5** When all panels are fixed seal the panel joints with the Stik tape



**6** Build the second wall. Realize the final plastering



#### ACOUSTIC CERTIFICATES

Product acoustic certificates are available and allow to comply with the limits imposed by law



#### INSTALLATION TEST

Acoustic performances of the intervention can be tested on site by a competent technician



#### ACOUSTIC REPORT

Our technical staff is able to give you the proper support in all the project phases, supporting you in the identification of materials



#### LAYING ASSISTANCE

Thanks to our extensive commercial technicians network, we are at your disposal for the coordination of the first laying phases on site

[SEE THE REFERENCES > VISIT THE WEBSITE](#)

[CONTACT THE TECHNICAL DEPARTMENT FOR MORE INFORMATION](#)

