



CONSERVATORY

NOVATOIT®

Noise Control Panel  
67 mm (2,63in)



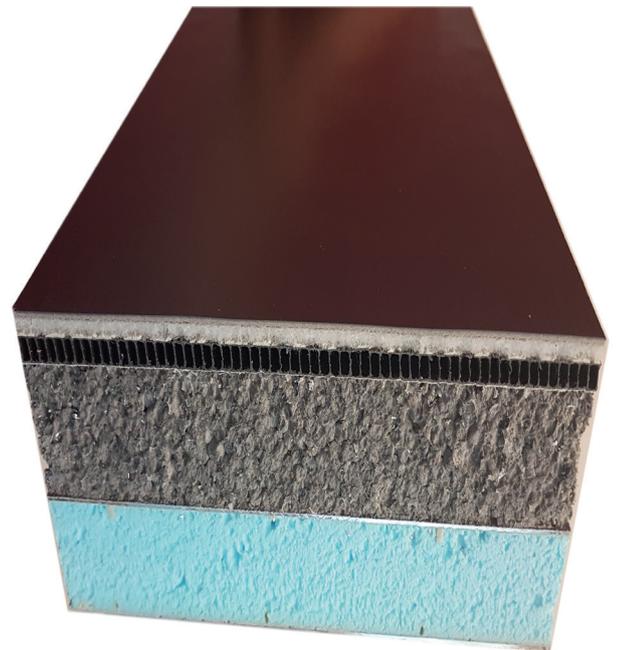
Noise Control acoustic panels  
67 mm (2,63in) with high yields

Noise Control panels  
of the CONSERVATORY range are used in  
framework for thermal and acoustic improvement  
of habitat.

These panels consist of a core  
carrier ensuring excellent hold  
mechanical, comprising two facings  
aluminum and an insulating polystyrene core  
extruded 30 mm thick. On this core is  
positioned the Noise Control acoustic complex,  
including an acoustic membrane Textile  
Composite assembled to a facing  
air-stabilized 5 mm thick in thermo  
cellular plastic, all combined with the insulation  
High modulus of elasticity elastofoam.  
This set dissipates the sound of impacts from the  
rain and ensures optimal comfort, it ensures  
also a strong reduction in the two-blade effect.

AV Composites panels make  
the subject of many patents !

67 mm



ZA de la Massane  
11 Av. des Joncades Basses  
13210 Saint Rémy de Provence - FRANCE  
contact@avcomposites.com  
www.avcomposites.com  
Tel : +33 (0)4 32 61 92 95

Authorized Distributor

INPI 2010 winner of the innovation trophies  
2010 DELOITTE Technology Fast 50 2010 Winner



## Technical sheet

### 1 Composition of carrier Panel

Interior side: aluminum cladding powder coated White Grained anti- polyamide scratches coated with a peelable "anti-UV" film.

Extruded polystyrene insulation L 0.028W / m.K CFC-free, thickness 27 mm (2.63 in)

Interior aluminum cladding, treated on 2 sides epoxy primer

### 2 Noise Control acoustic complex composition

Textile Composite épaisseur 4 mm (0,15 in) (building quality)

Covered non-woven fiber underside of a PVC-based reinforced skin and anti-UV. Aero-stabilized polypro honeycomb support high density pylon 5 mm (0,19 in) thick High modulus elasticized graphite insulation elasticity, thickness 28.5 mm (1,12 in)

3 Membrane finishes: White 9016, Tile 8004, Gray 7016

### 4 Glueing Polyurethane structural adhesive two-component

5 Finished panel thickness  
Filling : 67 mm (2,63 in)

6 Panel Properties  
Coefficient of heat loss  
 $U = K = 0,46 \text{ W/K.m}^2$

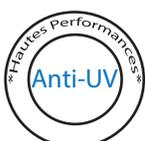
Thermal Resistance R  
 $R = 2.18 \text{ K.m}^2 / \text{W}$

Acoustic attenuation of impact noise  
Gain of 25.7 dB on a wide spectrum (from 100 Hz to 5 kHz) for comfort optimal sound

7 Dimensions - Weight  
Width 1195 mm (47,04 in)  
Length 2500 mm (98,42 in) to 7500 mm(295,27 in) in steps of 250mm (9,84 in)  
Weight  $8.11 \text{ kg} / \text{m}^2$  (17,87 lb / sq ft<sup>2</sup>)

8 Fire Reaction  
M1 quality, (XGPP67 SELC) according to certification: Efectis N° EFR-19-001758 L

9 Warranty  
Corporate Civil Liability  
N° 2/700062



In the event of a dispute, the guarantees apply if the advice on use, given in our technical data sheets, our installation guides or our Technical Assessment are respected. The resistance of the coloring of lacquers, which are dark on the outside, is not guaranteed over time. Advice and technical data refer to real information and practical experience. They are offered in good faith, but without warranty, as conditions and methods of use are not under our control. We reserve the right to make changes at any time without notice.