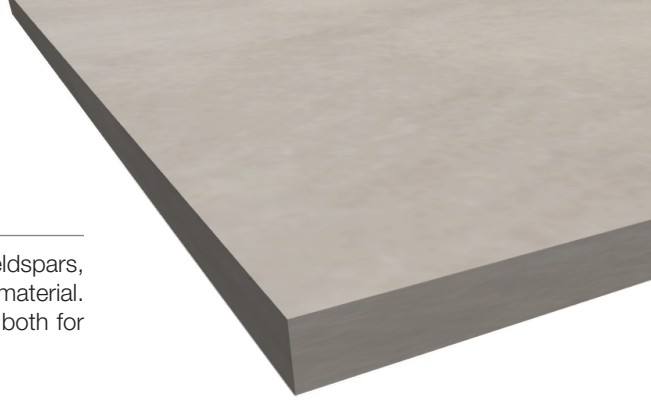
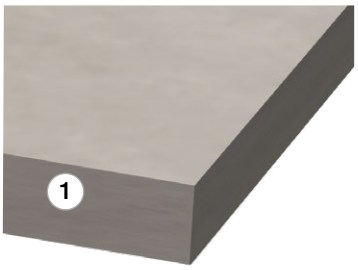
PANEL DATA SHEET



APPTEC 2.0

Panel made entirely of inert material (technical stoneware based on ceramic clays, feldspars, kaolins and sand), sintered at high temperature; free of asbestos and any other toxic material. 20 mm single plate panel. System for the creation of bare elevated floors intended both for such use and with additional self-laying coverings.



COMPOSITION

1 CORE

Panel with monolithic and homogeneous structural core, made entirely of inert material, sintered at high temperatures and odorless. The substrate is zero absorption, therefore there are no problems in the presence of water or humidity. The assembly is guaranteed by the union of the two materials through specific glue.

Nominal characteristics

Dimension	600x600 / 1200x600 mm
Thickness	20 mm
Panel weight	17,0 kg ± 5%
Weight SQM	47,0 kg ± 5%
Density	2.200 kg/mc ± 5%

Physical characteristics

Finished panel fire reaction	B_{FL}-S1
Electrical resistance	≥ 2x10^{9} ohm
Sound absorbing power	≥ 38 dB
Dimensional variation (after 24h of immersion in water)	0 %
Specific heat	J/Kg°K
Thermal conductivity λ	0,3741 W/Mk
Heat resistance R	0,0668 m2K/W
Dynamic stiffnes	379,34 MN/m^3
Acoustic absorption (average value of the real part between 50 and 6300 Hz) α	0,025
Acoustic impedance Z (average value real part between 50 and 6300 Hz)	27,6
Acoustic admittance A (average real part value between 50 and 6300 Hz)	0,01
Acoustic reflection R (average real part value between 50 and 6300 Hz)	0,99

Mechanical characteristics (EN 12825)

ROUGH PANELS

Dimension		600 x 600 mm
Concentrated load - center of the panel	kN	2,5
Concentrated load - center of the side	kN	5,0
Distribuited load	kN/m^2	19,6
Class according to EN 12825		1,0

The concentrated and distribuited loads refer to a 2,5 mm deflection.
ATTENTION: For holes in the panels, even for 8-10 mm diameter, use suitable tools (do not use drills with a percussion tip).
*1 kN = 102 kg