

GenieBoard® 430P-FFNC17

MULTI-LAYER CEMENTITIOUS SUBFLOOR PANEL WITH
RESILIENT UNDERLAYMENT



PRODUCT SPECIFICATIONS

PRODUCT NAME:

GenieBoard 430P-FFNC17

DESCRIPTION:

A non-combustible dry flooring panel with **GenieMat® FF** integrated acoustic backing for improved impact and airborne sound control. That can be used as an alternative to cementitious topping or multiple plywood and cement board layers. Connects with a nom. 2" (50 mm) shiplap joint, which is glued and fixed with screws or staples 8" (nom. 200 mm) o.c. along board joints.

APPLICATION:

Can be used directly under all flooring types and on top of all **GenieMat** products in lightweight and heavyweight buildings.

FEATURES AND BENEFITS:

- Eliminating the wet trade simplifies construction and saves cost
- Provides improved impact and airborne sound insulation
- No cure time leading to faster construction
- Shiplap joint for single layer installation
- Compatible under raised access flooring systems
- Reduce the risk of mold and slurry staining
- Reduce the amount of embodied carbon associated with construction
- Reduce the amount of structural materials required in a building
- Reduce the amount of water brought into a building
- Reduce the amount of volatile organic compound (VOC) emissions associated with the construction process

DIMENSION:

48" x 48" (1219.2 mm x 1219.2 mm) with nom. 2" (50 mm) overlap

AREA:

16 ft² (1.49 m²)

THICKNESS:

nom. 1-1/4" (nom. 30 mm)

WEIGHT:

83.82 lb/Panel (38 kg/Panel)

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TECHNICAL DATA

ACOUSTIC PERFORMANCE (ASTM E90, ASTM E492, ISO 10140-2, ISO 10140-3):	Shall be STC 58 and IIC 56 when installed on a 3 ply CLT floor with 3/16" (4.8 mm) LVT, GenieMat RSTo5 and 12" (304.8 mm) Raised Access Flooring
WATER PERMEABILITY RESISTANCE (CECS95:97):	No significant wetness or water on back of the board
FLEXURAL STRENGTH (ASTM C1185, EN 12467):	14.2 MPa (2059 psi)
SHEAR BOND STRENGTH (ANSI 118-1, ANSI 118-4):	345 kPa (50 psi)
FALLING BALL IMPACT STRENGTH (ASTM D1037, JG/T 149):	12 times
COMBUSTIBILITY PARAMETERS (ULC-S135):	No ignition
DEHALOGENATION RESISTANCE (JC688):	No globule / No damp
FREEZE & THAW CYSLING (ASTM C666, EN 12467):	14.4 MPa (2088 psi) after 100 Cycles
MOLD AND INSECT RESISTANCE (ASTM G21/D3273, JIS Z 2911, GB/T1741):	Grade 0; No mold developed
FLAME SPREAD INDEX (ASTM E84):	0 (Class 1/Class A)
SMOKE DEVELOPED INDEX (ASTM E84):	10 (Class 1/Class A)
VOC EMISSIONS (CDPH/EHLB STANDARD METHOD v1.2-2017):	FloorScore® certified

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