

Centennial Plank Plus TECHNICAL DATA SHEET

STANDARDS – SOUND					
Standard	Description	Product(s) Tested	Assembly	IBC ³ Requirements	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss of Building Partitions and Elements (STC / Sound Transmission Class)	Artistek® + Prevail® GDP	6" Concrete Slab	STC ≥ 50	STC 51 (Surpasses Requirements)
			6" Concrete Slab + Drop-Ceiling	STC ≥ 50	STC 61 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission Through Floor-Ceiling Assemblies (IIC / Impact Insulation Class)	Artistek® + Prevail® GDP	6" Concrete Slab	IIC ≥ 50	IIC 50 (Passes Requirements)
			6" Concrete Slab + Drop-Ceiling	IIC ≥ 50	IIC 66 (Surpasses Requirements)
ASTM E2179 & ASTM E989	Effectiveness of Floor Coverings in Reducing Impact Sound Transmission (ΔIIC / ΔImpact Insulation Class)	Artistek® + Prevail® GDP	6" Concrete Slab	N/A	ΔIIC 22

Footnotes
 1) ASTM E648 - Critical Radiant Flux (Radiant Panel): Passes Requirements for Class I per International Building Code (IBC) 2018 & NFPA 101 Life Safety Code
 2) ASTM E662 - Smoke Density: 450 is the limit established by many state, county, and/or local building and/or fire codes, but is not set as a limit for (resilient) flooring products nationwide. Thus, Smoke Density requirements for flooring products may vary from jurisdiction to jurisdiction. Consult your building inspector / fire marshal to learn more
 3) IBC = International Building Code

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