

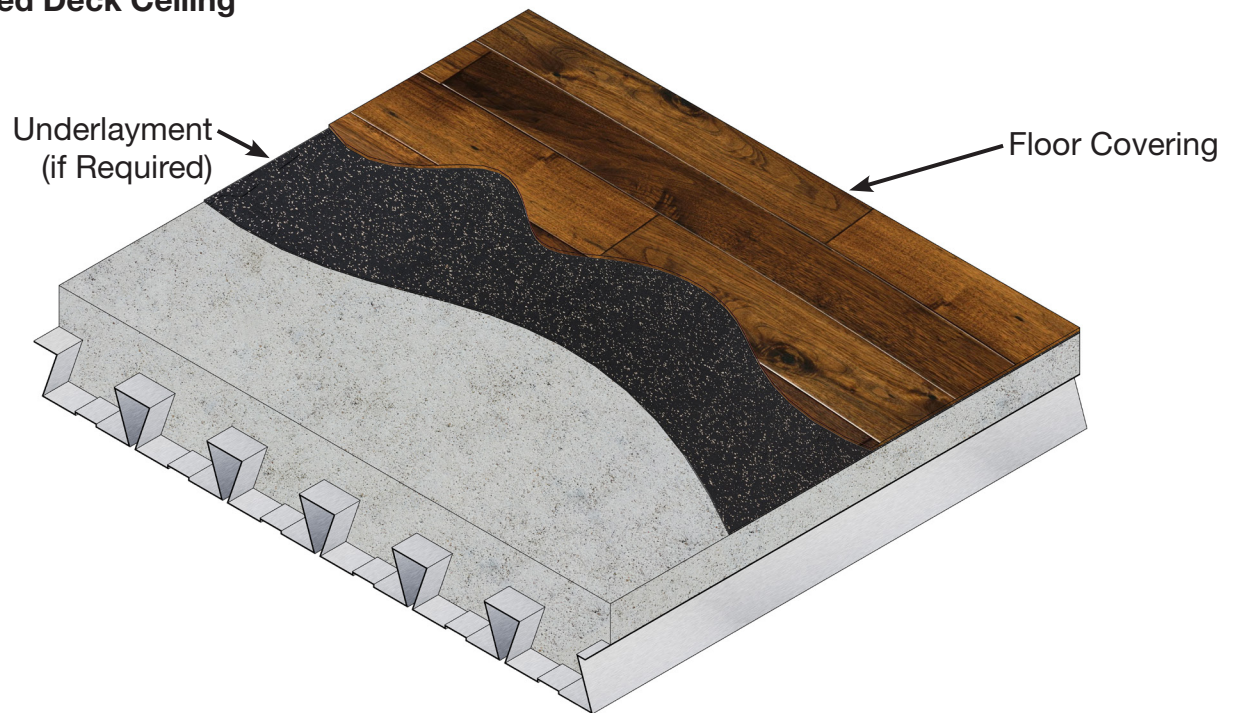
3.5D FORMLOK® DOVETAIL DECK-SLAB

ACOUSTICAL SOLUTIONS

ACHIEVE QUIET SPACES WITH PREMIUM FINISHES BY USING THE SUPERIOR STC AND IIC RATINGS OF 3.5D FORMLOK DECK-SLABS

3.5D FORMLOK DECK-SLAB

- 3½" (89 mm) Deep Composite Deck
- 6" (152 mm) Total Slab Depth
- Normal Weight Concrete (145 pcf / 2325 kg/m³)
- Exposed Deck Ceiling



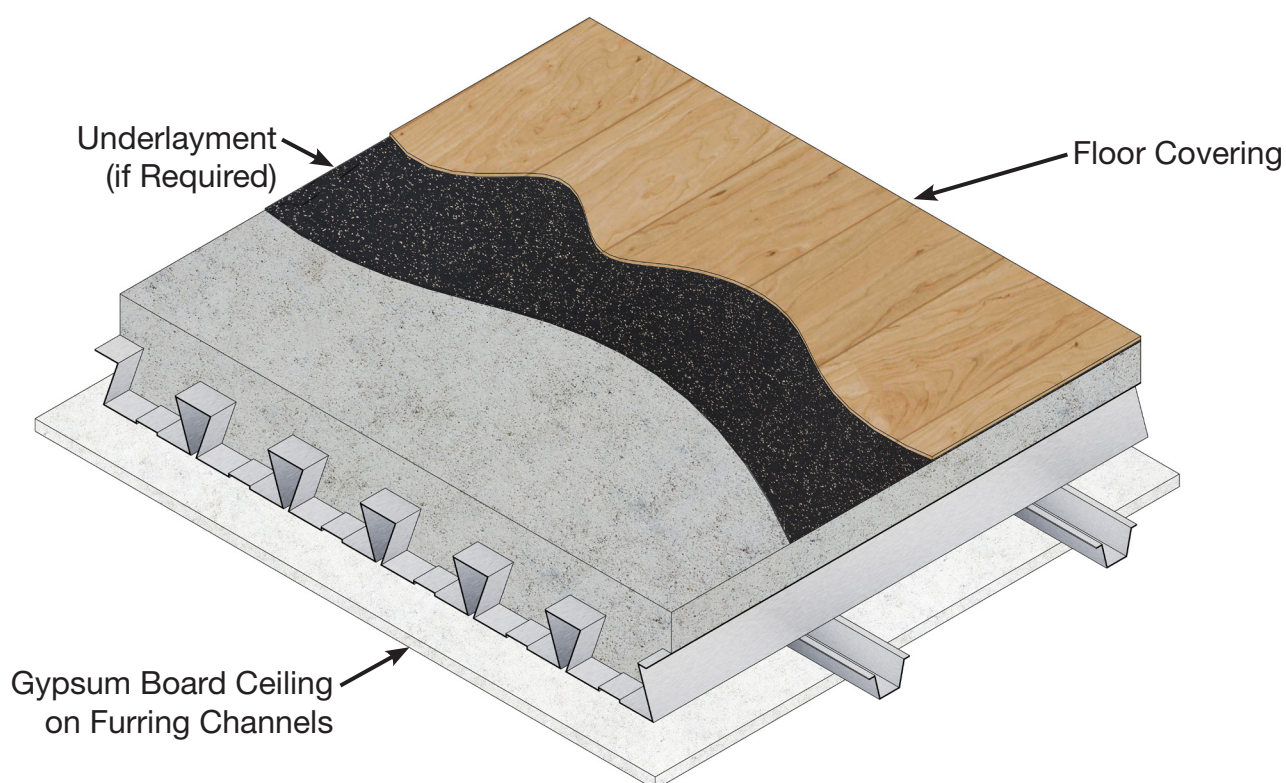
Exposed Deck (No Ceiling)

Floor Covering	Underlayment	STC	IIC	Intertek Test No.
Ceramic Tile	5 mm ECOsilence	50	42	H7787.06
Engineered Wood	5 mm ECOsilence	45	46	H7787.05
Fusion Hybrid Vinyl Plank	2 mm ECOsilence	47	47	H7787.02
Attain Luxury Vinyl Tile	5 mm ECOsilence	50	50	H7787.03
Forest Rx Rubber Backed Sheet Vinyl	None	49	49	H7787.04
Exposed Concrete	None	50	24	H7787.01

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- Normal Weight Concrete (145 pcf / 2325 kg/m³)
- Gypsum Board Ceiling



Gypsum Board Ceiling on Furring Channels Directly Attached to Deck

Floor Covering	Underlayment	STC	IIC	Intertek Test No.
Ceramic Tile	5 mm ECOsilence	56	49	H7787.12
Engineered Wood	5 mm ECOsilence	55	52	H7787.11
Fusion Hybrid Vinyl Plank	2 mm ECOsilence	55	53	H7787.08
Attain Luxury Vinyl Tile	5 mm ECOsilence	56	52	H7787.09
Forest Rx Rubber Backed Sheet Vinyl	None	55	52	H7787.10
Exposed Concrete	None	55	32	H7787.07

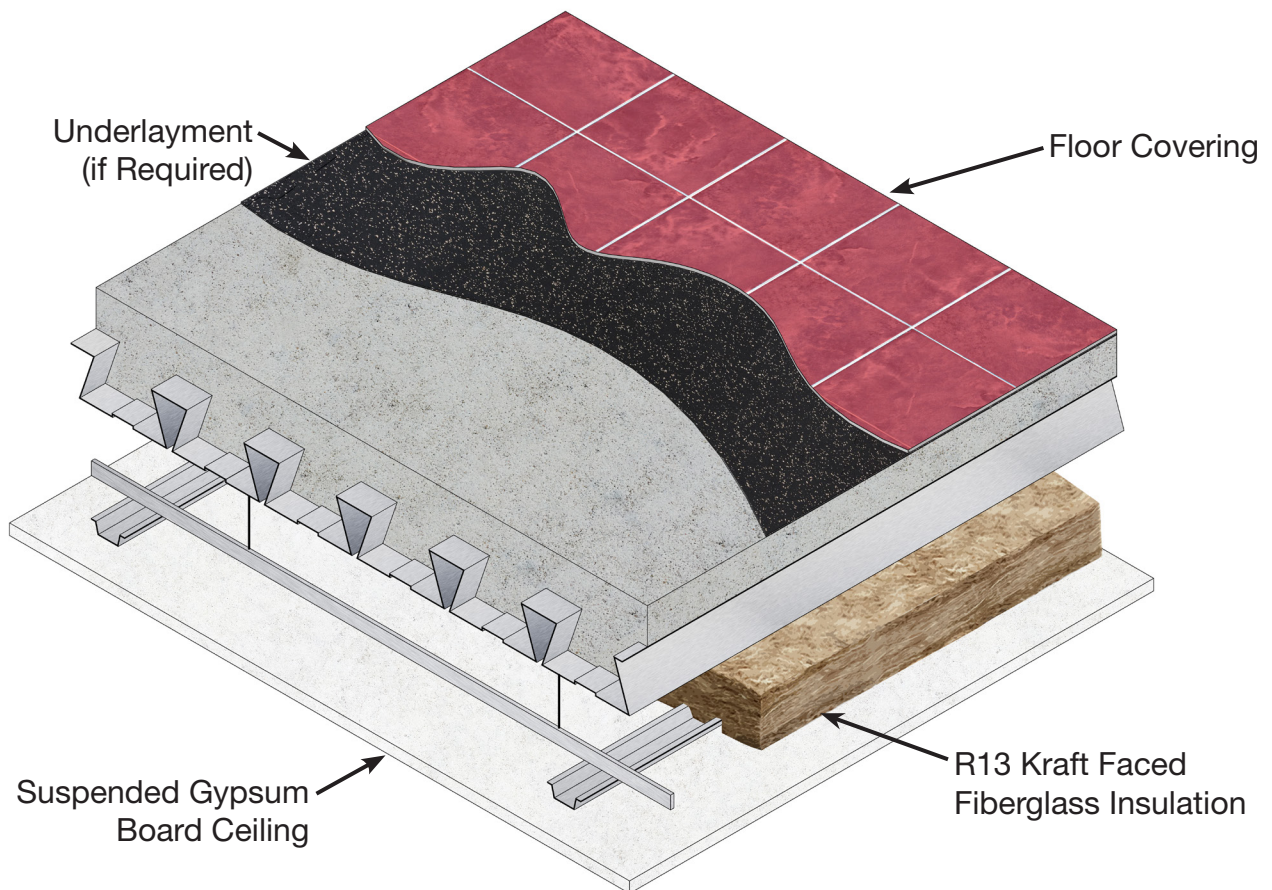
Note:

1. Values shown are for gypsum board on furring channels directly connected to the underside of the slab. Gypsum board ceilings attached to the deck by methods providing acoustical separation will provide improved STC and IIC values.

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- Suspended Gypsum Board Ceiling



Suspended Gypsum Board Ceiling

Floor Covering	Underlayment	STC	IIC	Intertek Test No.
Ceramic Tile	5 mm ECOsilence	62	62	I5133.02

Note:

1. Laboratory tests determining STC and IIC for Dovetail FormLok deck with a suspended ceiling were conducted with ceramic tile and underlayment. Adding a suspended ceiling to the ceramic tile assembly improved the STC rating by 12 and the IIC rating by 20 compared to an assembly with no ceiling. Other flooring types can expect similar improvement in performance.

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Notes:

1. The acoustical test reports with complete assembly details are available from www.dovetaildeck.com.
2. The testing was performed in accordance with the following standards:
 - **ASTM E90-09 (2016)**, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*
 - **ASTM E492-09(2016)e1**, *Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine*

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