ACHIEVE QUIET SPACES WITH PREMIUM FINISHES BY USING THE SUPERIOR STC AND IIC RATINGS OF 2.0D FORMLOK DECK-SLABS

2.0D FORMLOK DECK-SLAB

- 2” Deep Composite Deck
- 5½” Total Slab Depth
- Normal Weight Concrete (145 pcf)
- Exposed Deck Ceiling

<table>
<thead>
<tr>
<th>Floor Covering</th>
<th>Underlayment</th>
<th>STC</th>
<th>IIC</th>
<th>Intertek Test No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Tile</td>
<td>5 mm ECOsilence</td>
<td>51</td>
<td>41</td>
<td>H7786.06</td>
</tr>
<tr>
<td>Engineered Wood</td>
<td>5 mm ECOsilence</td>
<td>50</td>
<td>50</td>
<td>H7786.05</td>
</tr>
<tr>
<td>Fusion Hybrid Vinyl Plank</td>
<td>2 mm ECOsilence</td>
<td>46</td>
<td>51</td>
<td>H7786.02</td>
</tr>
<tr>
<td>Attain Luxury Vinyl Tile</td>
<td>5 mm ECOsilence</td>
<td>52</td>
<td>51</td>
<td>H7786.03</td>
</tr>
<tr>
<td>Forest Rx Rubber Backed Sheet Vinyl</td>
<td>None</td>
<td>51</td>
<td>51</td>
<td>H7786.04</td>
</tr>
<tr>
<td>Exposed Concrete</td>
<td>None</td>
<td>52</td>
<td>23</td>
<td>H7786.01</td>
</tr>
</tbody>
</table>
2.0D FORMLOK DECK-SLAB

- 2” Deep Composite Deck
- 5½” Total Slab Depth
- Normal Weight Concrete (145 pcf)
- Gypsum Board Ceiling

Gypsum Board Ceiling on Furring Channels

Floor Covering | Underlayment | STC | IIC | Intertek Test No.
---|---|---|---|---
Ceramic Tile | 5 mm ECOsilence | 53 | 47 | H7786.12
Engineered Wood | 5 mm ECOsilence | 50 | 50 | H7786.11
Fusion Hybrid Vinyl Plank | 2 mm ECOsilence | 51 | 50 | H7786.08
Attain Luxury Vinyl Tile | 2 mm ECOsilence | 52 | 50 | H7786.09
Forest Rx Rubber Backed Sheet Vinyl | None | 50 | 50 | H7786.10
Exposed Concrete | None | 52 | 32 | H7786.07

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.
2.0D FORMLOK DECK-SLAB

• 2” Deep Composite Deck
• 5½” Total Slab Depth
• Normal Weight Concrete (145 pcf)
• Suspended Gypsum Board Ceiling

Suspended Gypsum Board Ceiling

<table>
<thead>
<tr>
<th>Floor Covering</th>
<th>Underlayment</th>
<th>STC</th>
<th>IIC</th>
<th>Intertek Test No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Tile</td>
<td>5 mm ECOsilence</td>
<td>62</td>
<td>60</td>
<td>I5133.01</td>
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</tbody>
</table>

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 11 and the IIC rating by 19 compared to an assembly with no ceiling. Other flooring types can expect similar improvement in performance.
2.0D DOVETAIL FORMLOK® DECK-SLAB

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

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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” Deep Composite Deck
• 6” Total Slab Depth
• Normal Weight Concrete (145 pcf)
• Exposed Deck Ceiling

Exposed Deck (No Ceiling)

<table>
<thead>
<tr>
<th>Floor Covering</th>
<th>Underlayment</th>
<th>STC</th>
<th>IIC</th>
<th>Intertek Test No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Tile</td>
<td>5 mm ECOsilence</td>
<td>50</td>
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<td>H7787.06</td>
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<tr>
<td>Engineered Wood</td>
<td>5 mm ECOsilence</td>
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<td>46</td>
<td>H7787.05</td>
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<tr>
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<td>H7787.02</td>
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<tr>
<td>Attain Luxury Vinyl Tile</td>
<td>5 mm ECOsilence</td>
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<td>50</td>
<td>H7787.03</td>
</tr>
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<td>49</td>
<td>H7787.04</td>
</tr>
<tr>
<td>Exposed Concrete</td>
<td>None</td>
<td>50</td>
<td>24</td>
<td>H7787.01</td>
</tr>
</tbody>
</table>
3.5D FORMLOK DECK-SLAB

- 3½" Deep Composite Deck
- 6” Total Slab Depth
- Normal Weight Concrete (145 pcf)
- Gypsum Board Ceiling

Gypsum Board Ceiling on Furring Channels

Underlayment (if Required)

Floor Covering

Gypsum Board Ceiling on Furring Channels

<table>
<thead>
<tr>
<th>Floor Covering</th>
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<tbody>
<tr>
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</tr>
<tr>
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<td>5 mm ECOsilence</td>
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<tr>
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<td>5 mm ECOsilence</td>
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<td>52</td>
<td>H7787.09</td>
</tr>
<tr>
<td>Forest Rx Rubber Backed Sheet Vinyl</td>
<td>None</td>
<td>55</td>
<td>52</td>
<td>H7787.10</td>
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<tr>
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<td>H7787.07</td>
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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.
3.5D FORMLOK® DECK-SLAB
ACOUSTICAL SOLUTIONS

3.5D FORMLOK DECK-SLAB
• 3½” Deep Composite Deck
• 6” Total Slab Depth
• Normal Weight Concrete (145 pcf)
• Suspended Gypsum Board Ceiling

Underlayment (if Required)

Floor Covering

Suspended Gypsum Board Ceiling

R13 Kraft Faced Fiberglass Insulation

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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.
Notes:

1. The acoustical test reports with complete assembly details are available from www.dovetaildeck.com.

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