
Product: QwickBuild Framing System

Issue Date: 08 July 2024

Report and Certification: Intertek Testing Services, Shanghai Fengxian Branch

Test Type: ASTM E84-21a - Standard Test Method for Surface Burning Characteristics of Building Materials

System Components:

- QwickBuild Joist/Beam Profiles 6063-T6
- QwickBuild Brackets SS304
- QwickBuild Screws SS304

This assessment evaluates how building materials behave when exposed to fire by calculating a Flame Spread Index (FSI) and a Smoke Developed Index (SDI). These indexes are used to classify materials according to their fire performance.

Classification Criteria (IBC, NFPA 101, NFPA 5000):

- *Class A* Flame Spread Index: 0-25 Smoke Developed Index: 0-450
 - *Class B* Flame Spread Index: 26-75 Smoke Developed Index: 0-450
 - *Class C* Flame Spread Index: 76-200 Smoke Developed Index: 0-450
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QwickBuild Test Result:

- **Class: A**
 - Flame Spread Index (FSI): 10
 - Smoke Developed Index (SDI): 15
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Full report available upon request, please contact Outdure for more details.