

DuPont™ ArmorWall™ Systems Benefits

NFPA 285 Testing

DuPont™ ArmorWall™ Passes on its Own

DuPont™ ArmorWall™ Systems pass NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components testing without the additive protection of an exterior cladding on the front for the full duration of the test. This allows for engineering judgements to be made for most NFPA 285 tested and approved exterior finishes when used with ArmorWall™ Systems as part of a complete wall assembly. Additionally, ArmorWall™ Systems have received an ICC-ESL-1442 listing for NFPA 285 from the International Code Council (ICC), providing third-party verified performance of fire-resistance.

During the test, ArmorWall™ had **no**:

- Endured exterior fire testing for two continuous hours
- Supported the full load of the building without buckling after the two hours
- Did not leak any water after it was sprayed with a fire hose for two minutes

Magnesium Oxide Sheathing is Unmatched

By fusing the protective Magnesium Oxide (MgO) sheathing to the high-performance insulation, the resulting fire-resistant properties are unmatched within the marketplace. The ArmorWall™ System's NFPA 285 certification means that once the complete wall assembly is installed, it is protected from multistory fire propagation originating from the interior.

During NFPA 285 testing, DuPont™ ArmorWall™ had no:

- Protective cladding or mineral wool present to shield the panel on the exterior or in the rough opening
- Fire spread over 10' vertically to the second floor, or more than 5' horizontally
- Fire present in the second story interior
- Heavy smoke or high temperature rise present at second floor



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