

SUMMARY DATA
ASTM D635-18 Standard Test Method for Rate of Burning
and/or Extent and Time of Burning of Plastics
in a Horizontal Position

General:

Client: Arcitell, LLC
Job Number: AL060920-46
Test Location: *ICC NTA*
Nappanee, Indiana

Date Received: 9/28/2020
Construction Date: 11/17/2020
Constructed By: Justin Mann

Test Variable: Cladding panel with fiberglass reinforced molding compound and open cell phenolic rigid foam

Procedure

Modifications: Due to inconsistant material thickness, specimens tested varied in thickness

Product Description:

Manufacturer: Arcitell, LLC
Trade Name/Designation: Qora Cladding Panel
Material Description: Cladding panel with fiberglass reinforced molding compound and open cell phenolic rigid foam
Specimen Dimensions: 13-mm. wide x 125-mm. long x 5.5-mm. thick

Specimens were conditioned at 73.4 ± 3.6 and $50 \pm 10\%$ R.H. for a minimum of 88 hours before testing

Ambient Conditions:

Ambient Temp.: 73.9° F
Ambient R.H.: 42% R.H.
Sensor Asset No.: 00587

Apparatus:

Asset No.
K-Type Thermocouple: 02348
Thermocouple Reader: 00973
Timer: 02278
Chamber: 02334
Calipers: 00691

Test Data:

Performed By: Justin Mann
Witnessed By: Lucas Ward
Test Date: 11/23/2020
Pressure: 55.00 mm water

ASTM D5207 Flame Confirmation: Time (sec) from 100 - 700°C:

#1 42.66 #2 43.93 #3 45.65

Specimen Number	Thickness (mm)	Burn after 30-sec flame? (Y/N)	Did flame reach 25 mm mark? (Y/N)	If flame reached 25 mm mark			Observations	
				Burned length, L (mm)	Elapsed time, t (sec)	Linear burning rate, V (mm/min)		
1	00001	4.5	N	N	N/A	N/A	N/A	Did not burn
2	00002	7.0	N	N	N/A	N/A	N/A	Did not burn
3	00003	5.0	N	N	N/A	N/A	N/A	Did not burn
4	00004	5.3	N	N	N/A	N/A	N/A	Did not burn
5	00005	4.9	N	N	N/A	N/A	N/A	Did not burn
6	00006	5.1	N	N	N/A	N/A	N/A	Did not burn
7	00007	5.8	N	N	N/A	N/A	N/A	Did not burn
8	00008	7.2	N	N	N/A	N/A	N/A	Did not burn
9	00009	5.2	N	N	N/A	N/A	N/A	Did not burn
10	00010	5.0	N	N	N/A	N/A	N/A	Did not burn

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire hazards or fire risk assessment of materials, products, or assemblies under actual fire conditions.

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