



Sunlite & Litespal Laminate 1.0mm
BS 476 : part 7 Flame Test

2.0 Description of Samples

Details of the manufacture product provided by the client:

| | |
|--------------------------------|---------------------------------------|
| Product Type | : High Pressure Decorative Laminate |
| Type of Composition/Ingredient | : Papers Treated with Resin/ Malamine |
| Brand/Model/Serial No. | : Litespal/ Sunlite |
| Manufacture/Name | : Sunflower Corporation |
| Nominal thickness of sample | : 1.0mm |

6.0 Result of Test

| Specimen No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|------|--------|--------|-----|------|
| Spread of flame at first 1 1/2 minutes (mm) | 0-75 | 0-75 | 0-75 | 75-165 | 0 | 0-75 |
| Distance (mm) | Time of spread of flame to indicated distance (minutes • seconds) | | | | | |
| Start of flaming | 0.21 | 0.26 | 0.22 | 0.19 | Nil | 0.24 |
| 75 | -- | -- | 2.13 | 1.28 | -- | -- |
| 165 | -- | -- | -- | -- | -- | -- |
| 190 | | | | | | |
| 215 | | | | | | |
| 240 | | | | | | |
| 265 | | | | | | |
| 290 | | | | | | |
| 375 | | | | | | |
| 455 | | | | | | |
| 500 | | | | | | |
| Time of maximum spread of flame (minutes • seconds) | 1.41 | 0.30 | 2.45 | 5.06 | -- | 1.23 |
| Distance of maximum spread of flame (mm) | 0-75 | 0-75 | 75-165 | 75-165 | 0 | 0-75 |
| Comments | None | | | | | |

7.0 Conclusion

In accordance with the class definitions specified in the Standard, the test results show that the sample tested has a **Class One** Surface Spread of Flame.

Classification of Surface Spread of Flame

| Classification | Spread of flame at 1.5 min. | | Final spread of flame | |
|----------------|----------------------------------|---------------------------------------|-----------------------|---------------------------------------|
| | Limit (mm) | Limit for one specimen in sample (mm) | Limit (mm) | Limit for one specimen in sample (mm) |
| Class 1 | 165 | 165 + 25 | 165 | 165 + 25 |
| Class 2 | 215 | 215 + 25 | 455 | 455 + 45 |
| Class 3 | 265 | 265 + 25 | 710 | 710 + 75 |
| Class 4 | Exceeding the limits for class 3 | | | |