

1. INTRODUCTION

The test was conducted in accordance with EN 1634-1:2014 + A1:2018 + AC:2018, Fire resistance and smoke control tests for Door and shutter assemblies, openable windows and elements of building hardware, Part 1: Fire resistance tests for Door and shutter assemblies and openable windows, to determine 60 minutes fire resistance performance of single door leaf door assemblies.

The test samples were exposed to elevated temperatures as dictated by the time-temperature curve given in EN 1368-1:2020 Fire resistance tests—Part 1: General Requirements for a period of 60 minutes.

The test was conducted on Dec.19, 2023.

2. SUMMARY

The test Door assemblies satisfied the performance requirement for the following periods:

PERFORMANCE CRITERIA	RESULTS	
Integrity	Sustained flaming	60 minutes
	Gap gauge	60 minutes
	Cotton pad	60 minutes
Insulation	Door leaf	60 minutes
	Door frame	60 minutes

The test was discontinued after a period of 61 minutes at the request of the sponsor.

3. SPECIMEN CONSTRUCTION AND INSTALLATION

The sample was fixed in reserved wall hole. Gaps around the sample (frame) were filled with incombustible material by laboratory.

The test door was oriented to open into the furnace.

The details of the sample were shown in Figure 1.



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