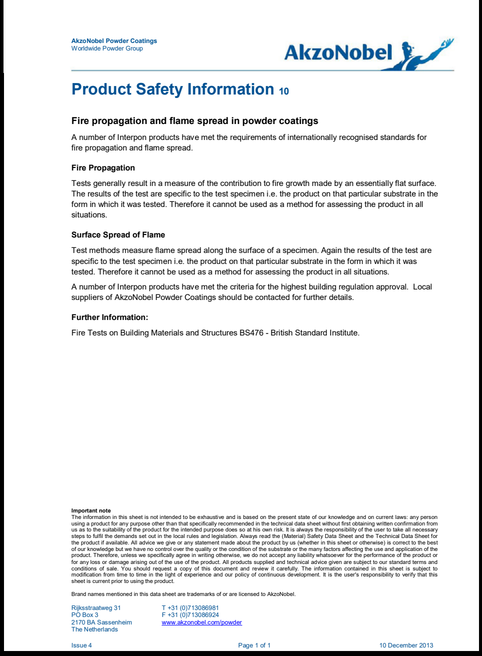
QUICK SCREEN USA.

FIRE RATED

Aluminum is described as non-combustible. When aluminum is exposed to a prolonged fire environment it will begin to melt (not burn) with a melting point between 1110 and 1220 degrees fahrenheit. Quickscreen aluminum slats are an excellent choice where fire risk requires consideration.



AkzoNobel Powder Coatings
Worldwide Powder Group

AkzoNobel

Product Safety Information 10

Fire propagation and flame spread in powder coatings

A number of Interpon products have met the requirements of internationally recognised standards for fire propagation and flame spread.

Fire Propagation

Tests generally result in a measure of the contribution to fire growth made by an essentially flat surface. The results of the test are specific to the test specimen i.e. the product on that particular substrate in the form in which it was tested. Therefore it cannot be used as a method for assessing the product in all situations.

Surface Spread of Flame

Test methods measure flame spread along the surface of a specimen. Again the results of the test are specific to the test specimen i.e. the product on that particular substrate in the form in which it was tested. Therefore it cannot be used as a method for assessing the product in all situations.

A number of Interpon products have met the criteria for the highest building regulation approval. Local suppliers of AkzoNobel Powder Coatings should be contacted for further details.

Further Information:

Fire Tests on Building Materials and Structures BS476 - British Standard Institute.

Important note
The information in this sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using a product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the (Material) Safety Data Sheet and the Technical Data Sheet for the product if available. All advice we give or any statement made about the product by us (whether in this sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this sheet is current prior to using the product.

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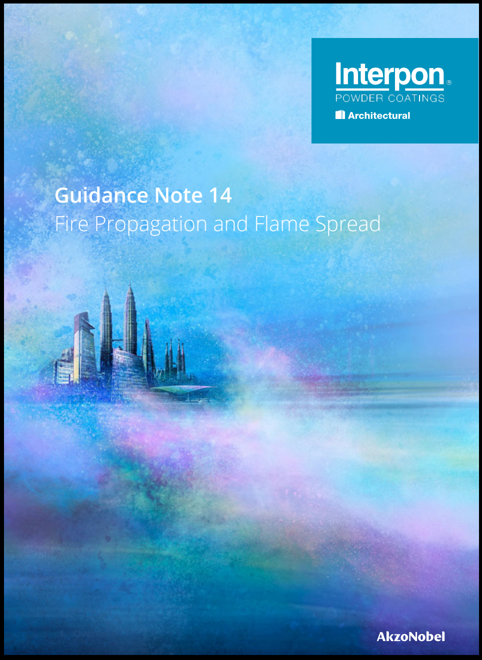

Interpon
POWDER COATINGS
Architectural

Guidance Note 14
Fire Propagation and Flame Spread

AkzoNobel

ignis labs

26 March 2021
Date of Issue

IGNIS ADVISORY NOTE
NON-COMBUSTIBLE TESTING
CAPRAL – 6000 SERIES EXTRUDED ALUMINIUM
IGNL-4089-01-03R Issue 01 Revision 01

1 Introduction

Ignis Labs undertook testing for Capral on two typical extrusion alloys (6005A and 6463). The 6005A and 6463 alloys were chosen to represent the entire range of extrudable alloys known as '6000' series. The 6000 series alloy range covers a number of specific types used for structural applications such as 6005A, 6082, 6106, 6351, 6061, as well as more generic types used for industrial, automotive architectural, trim or decorative applications such as 6463, 6060, 6063, and 6101.

The 6463 alloy was tested on 30 September 2020 and the subsequent report issued on 24 February 2021 known as IGNL-4089-01-01R I01R00.

The 6005 alloy was tested on 01 October 2020 and the subsequent report issued on 25 November 2020 known as IGNL-4089-01-02R I01R00.

The sponsor described the tested specimen as:

Extruded aluminium alloy with a nominal density of 2.7g/cm³. The colour of the specimen is mill finish aluminium and the end use being Capral extruded products. Images of the specimens tested before and after the test are detailed below.

FIGURE 1:
SPECIMEN IMAGE BEFORE AND AFTER TEST (6463 AND 6005 ALLOY)

2 Methodology

Within each test, five (5) specimens were tested in accordance with Australian Standard 1530 Methods for fire tests on building materials, components and structures, Part 1- 1994: Combustibility Test for Materials. The test apparatus is constructed in accordance with the requirements of ISO 1182:2010, which has been verified to be equivalent to the apparatus requirements of AS 1530.1:1994, with the exception that a suitable alternative insulating material was used to fill the annular space between the furnace tubes, as specified in Clause 4.2 of ISO 1182:2010.

The testing of the two specimens presented a consistent result in reaction. Both specimens presented temperatures less than 50ºC and no flaming which satisfied the criteria for non-combustibility.

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