

JFRA JAPAN FIRE RETARDANT ASSOCIATION

(A Foundational Juridical Person)

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C E R T I F I C A T E

We, Japan Fire Retardant Association, certify that the following flame retardant product meets the requirements designated by the clause 3 of the article 4-3 of the Regulations for Enforcement of the Fire Service Law (The Ministerial Ordinance of the Ministry of Home Affairs; No. 6, enacted on April 1st, 1961).

1. Applicant: Hagihara Industries Inc.
2. Kind of product: Sheets for Building Construction
3. Brand name: Flame Knight
4. Materials and blending ratio: Polyethylene 100%
5. Construction of fabric and weight: Plain weave 186g/m²
6. Reference number: C2150023 (August 27, 2015)
7. The test results are shown in attached sheet.

Osami Sagisaka

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President of JFRA

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Flammability test results

45° micro burner test

Numerical Criteria	Run No.	Afterflame Time (sec.)	Afterglow Time (sec.)	Char Area (cm ²)
		$X \leq 3$	$X \leq 5$	$X \leq 30$
1 minute flame contact	No. 1	0	0	6
	No. 2	0	0	6
	No. 3	0	0	6
3 sec. flame contact after flame burning	No. 1	0	0	5
	No. 2	0	0	5

45° coil test

Run No.	Numbers of Flame Contact
	$X \geq 3$
No. 1	5
No. 2	5
No. 3	4
No. 4	4
No. 5	4