Product Data Sheet

Spec Number: TBD

SmartSolve FireDrop™ Panel (Aluminum Frame)

Product Description: FireDrop™ Panel is a drop-out ceiling and containment panel made of SmartSolve FireDrop™ face stock, which is ASTM E84 Class A fire-rated, bonded to a 6061 aluminum frame. The face stock disperses within seconds of sprinkler water contact, so water passes through with no obstruction and no plastic debris. Patent pending.

Features & Limitations:

Disperses within seconds on sprinkler water contact, allowing unobstructed water discharge*

Face stock tested in accordance with ASTM E84; achieved a Class A rating for flame spread and smoke developed index under the tested conditions.

Custom sizes available**

Characteristic	Units	Typical Values
Panel Width	in (mm)	24 (610)**
Panel Length	Made to order**	
Frame Material	6061 Aluminum	
Frame Thickness	0.125"	
Substrate Attachment	Hot-melt adhesive	
Substrate Caliper	Microns	188
	Mils	7.4
Substrate Tensile MD	kN/m	2.7
	lbf/in	15
Dispersibility*	5-10 seconds	

Regulatory Requirements:

Face stock: ASTM E84 / UL 723 Class A or I rating, Halogen-free, Made of biodegradable materials, Drain-safe

Unit of Measure: Each (panel)
Country of origin: USA

* Water temperature may impact speed of dispersibility.
** Standard width is 24 in. Custom sizes available; call customer service for details.

Last Updated 11/03/2026

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APPLICATION OF SMARTSOLVE'S STANDARD TERMS AND CONDITIONS OF SALES:
EXCEPT AS EXPLICITLY STATED THEREIN, ALL SALES OF SMARTSOLVE'S MATERIALS OR PRODUCTS SHALL BE GOVERNED BY SMARTSOLVE'S STANDARD TERMS AND CONDITIONS OF SALES, WHICH ARE SET FORTH IN FULL AT: https://smartsolve.com/terms-conditions/

Shipping and Storage Conditions

FireDrop™ panels should remain fully covered (plastic-bagged and/or shrink-wrapped) during shipping and throughout storage until installation. Store panels flat and supported to protect the frames and face stock. Keep face stock away from water, cleaning sprays, and wet wiping.

Each product contains a unique batch number.

Environmental Conditions

SmartSolve water-soluble materials should be stored and installed in a temperature- and humidity-controlled environment. Storage conditions above 70°F or below 50°F, and above 70% RH or below 30% RH, may negatively impact the expected performance of exposed product.

Material condition should be evaluated by the user prior to installation, particularly if storage conditions fall outside the recommended ranges.

Product Use

All statements, technical information and data contained in Product specifications, descriptions or other documents are based upon tests or experiences that SmartSolve believes are reliable. However, many factors beyond SmartSolve's control can affect the use and performance of a Product in a particular application, including the conditions under which the Product is used and the time and environmental conditions in which the Product is expected to perform. Since these factors are uniquely within the Customer's or other end-user's knowledge and control, it is essential that the Customer or other end-user evaluate the Product to determine whether it is fit for a particular purpose and suitable for the Customer's or other end-user's specific application(s), and SmartSolve does not warrant that the Product is fit for a particular purpose or suitable for a specific application, unless otherwise stated by SmartSolve in a writing signed by an authorized representative of SmartSolve.

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Warranty and Limitations:

Unless explicitly stated otherwise in a sales agreement, or SmartSolve's sales proposal, quotation or other product literature, Smartsolve makes no warranty (including any implied warranty arising out of a course of dealing, custom or usage of trade) regarding the product and the product is sold "as is". Smartsolve warranties do not apply if the product fails or is damaged as a result of: customer's willful damage, negligence, or abnormal working conditions; customer's failure to follow SmartSolve's instructions (whether oral or in writing); customer's misuse, alteration or repair of the product without SmartSolve's approval; or a malfunction caused by any equipment not supplied by SmartSolve or on SmartSolve's behalf. In addition, SmartSolve's warranties do not apply during any period in which customer has outstanding any payment due SmartSolve beyond the due date. Except as expressly provided in a sales agreement, or SmartSolve's sales proposal, quotation or other product literature, SmartSolve will not be liable for any loss or damage arising from or caused by the product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. If the product is defective or otherwise fails to meet warranty standards within the applicable warranty period, the customer's exclusive remedy and SmartSolve's sole obligation will be, at SmartSolve's option, to replace the product or refund the purchase price. Any judicial action by the customer relating to products shall be brought within one year of the date of tender of delivery of the products.

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