

# THE DECIDING FIRST MINUTES

One single spark can lead to a major catastrophe. When flammable materials in a building catch fire, flames can quickly rage out of control. A danger which should not be underestimated.


Over the first four minutes, a smouldering fire usually develops. Already after five minutes, a localised fire breaks out, considerably raising room temperatures, to levels which are life-threatening to humans. By about the ninth minute, there is an acute danger of the fire rapidly spreading. This is when a flashover may occur, with temperatures reaching 1000° C or more.

Catastrophes can be avoided. DuPont™ Tyvek® FireCurb™ rapidly extinguishes when ignited. Due to its improved fire class, Tyvek® FireCurb™ helps to avoid an active spreading of the flame and contributes to a significant increase in building safety.

# QUICK OVERVIEW

- A new dimension in the protection of buildings and people
- Self-extinguishing when ignited
- Safety during and after installation
- Includes all Tyvek® characteristics
- Solutions for ventilated façades, open rain screen cladding, timber frame and roofing constructions
- Long term investment protection

Find out more: [FlameRetardant.tyvek.com](http://FlameRetardant.tyvek.com)



1000 m<sup>2</sup> WALL.  
ONLY 10 cm<sup>2</sup>  
FIRE DAMAGE.\*

DuPont brings building protection to new levels.  
DuPont™ Tyvek® FireCurb™.

FLAME  
RETARDANT



The miracles of science™

  
Tyvek.

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\* DuPont™ Tyvek® FireCurb™ limits the propagation of flames

# FOR LIMITED DAMAGE

DuPont introduces a new level of building protection with Tyvek® FireCurb™: a flame retardant breather membrane for buildings based on a new patented technology that potentially saves lives and could prevent costly damages. When flames meet Tyvek® FireCurb™, they literally stop, die down... and go out. The new patented technology includes all of the well-known properties of Tyvek®, adding flame retardancy for even more comprehensive protection of walls and roofs.

Large fires increase pressure on authorities to tighten safety regulations. As a result, the construction industry has had to adapt to ever tougher restrictions. A trend which is certain to continue.

With Tyvek® FireCurb™ you are investing in the technology of the future, increasing the protection of your building and, more importantly, the people inside it.

**FLAME**  
  
**RETARDANT**

# NEW PATENTED TECHNOLOGY

DuPont stands for innovation through research and a commitment to setting new standards. When ignited, instead of spreading fire, Tyvek® FireCurb™ self-extinguishes the flame. The halogen-free flame retardant coating considerably limits the formation of droplets and reduces smoke. It has only limited impact on the proven Tyvek® performance. This pioneering development is protected by two filed patents.

## A class of its own

The patented technology allows a fire classification up to Euro-class B\*, both for free-hanging application or for installation on mineral wools. Euroclass B describes the fire performance of the construction products based on two different tests.

1. Ignitability test under exposure to a small flame.
2. The potential contribution of a product to a fire, under a situation simulating a single burning item in a room corner near to that product.

Materials in Euroclass B have very low flammability and if any, will have a very limited contribution to the fire. Further they will generate low smoke development and low heat release.

## Our mission: greater safety

One important core value of DuPont is safety. We're at the forefront of developing products that meet or exceed regulations and also make life easier for specifiers and builders.

\*According to EN 13501-1: fire classification of construction products and building elements.

# INNOVATIVE SOLUTIONS

Owners and constructors can now build more safely with Tyvek® FireCurb™. From bungalows to high-rises, the lightweight, advanced Tyvek® product is the solution for all types of buildings. Tyvek® FireCurb™ is typically installed onto the external side of the insulation material or integrated in the wall structure system.

## Ventilated façades, open rain screen cladding, timber frame and roofing constructions

- Tyvek® FireCurb™ already provides protection during installation. Sparks at building sites have frequently been the cause of fires. This risk can now be considerably reduced.
- Tyvek® FireCurb™ limits flame propagation between floors by external envelope.
- To find out how the Tyvek® FireCurb™ technology can help to improve your construction application, please contact us at [FlameRetardant.tyvek.com](mailto:FlameRetardant.tyvek.com)

*Greater safety during and after installation of the building envelope.*

