

IMAGINE HOW YOU  
CAN PERFORM  
WITH DEVAN'S

# ECO-FLAM

## Flame retardant technology

### PROTECTING PEOPLE & THE ENVIRONMENT

Although flame retardants help to save lives, some traditional chemistries can pose a significant risk for human health or the environment, either in the formulated product or because of toxicity generated in the smoke during a fire.

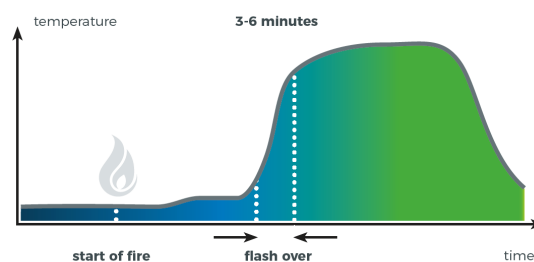
Through heavy investment in R&D, Devan has created a complete range of more environmentally friendly flame retardants for textile applications named Eco-flam®.



### THE CHALLENGE

The major killer in fires is carbon monoxide. Colourless and odourless, the gas can cause deep narcosis, rendering sleepers unconscious before the fire can awaken them.

Slower ignition and less dense and toxic smoke could provide more protection. This requires new chemistry, and that is exactly what we at Devan are aiming for.



### SUPPORT & SERVICE

Developments are made in close partnership with customers. Our service includes:

- Tailor-made solutions
- Laboratory facilities
- Personal assistance at industrial trials
- Fire safety legislations & chemical regulations

### ADVANTAGES

- Halogen, antimony and heavy-metal free
- Does not generate dioxins under extreme temperature conditions
- Produces less CO, HCN in smoke
- Powerful flame retardants
- Cost effective alternatives

### APPLICATIONS

Devan collaborates with the biggest players involved in fire safety: mattress ticking, upholstery, wall coverings, curtains, carpets, clothing, non-wovens, automotive, transportation & mobility, ...

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### TRANSPORT & MOBILITY

- Application methods: padding, back-coating
- Suitable for: wool and wool blends, synthetics
- Testing standards: UNECE R118 6 & 8 , EN 45545/2 , FAR 25853 , ABD 0031 , FMVSS 302 , ...

<b>BUS</b>	Eco-flam BUC 291	White (dark grey on request) back coating compound for pes and pes/wool pile velvet upholstery
	Eco-flam P207	Padding solution for Pes and Pes/pa plain fabrics highly wash-durable
<b>TRAIN</b>	Eco-flam RUF-287MI	Brown back coating compound for wool and wool/pa pile velvet upholstery
	Eco-flam BUC 291	White (dark grey on request) back coating compound for pa/wool pile velvet upholstery
<b>AVIATION</b>	Eco-flam CA-F-288	Back-coating for Pa and Pa blends aircraft carpets: innovative halogen-free intumescent & weight-reducing technology

### HOME & BEDDING

- Application methods: padding, back-coating, additives
- Suitable for: natural fibres, synthetics, blends
- Testing standards: BS 5852 , DIN 4102 - B2 , BS 5867 part 2 , NFPA 701 , NFP 92 503 - M1

<b>UPHOLSTERY</b>	Eco-flam UF - 249S	collapsible foam back-coating for cellulosic fabrics: transparent, soft and cost effective
	Eco-flam P - 128	padding/spraying solution for cotton based fabrics (BS 5852)
<b>WINDOW DECORATION</b>	Eco-flam P - 189 NEW	padding product for PES curtains - no salt rings
	Eco-flam P - 207	padding product for PES curtains - wash durable
	Eco-flam SF-BO-295	compound for BO & DO curtains
	Eco-flam AD-261A	additive for BO & DO curtains and stable foam coating
	Eco-flam C-226	coating for pleated curtains
<b>BEDDING</b>	Eco-flam C-150	transparent printing & paste coating for PES curtains and blends
	Eco-flam P - 184 Mod 2	padding/spraying solution for cellulosic- and blends - cost effective
	Eco-flam SU	padding/spraying solution for cellulosic and blends - Oekotex registered

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