



FLAMEX 

BY CARL WEISKE

*FLAME RETARDANT
POLYESTER*

CARL WEISKE

INNOVATION IN TEXTILES



**TOGETHER
ON THE
SAFE SIDE.**

Flame retardant fabrics made with **FLAMEX** polyester yarn comply with national & international fire protection standards.




FLAMEX 

BY CARL WEISKE

SAFE

-  **Permanent fire protection:** flame retardant property permanently inherent in the fibre / yarn
-  **No reduction in flame retardant effect** even with frequent use, washing or due to aging
-  **Complies with national & international fire safety standards** (e.g. DIN 4102 B1, EN 1021)
-  **Polyester fabrics made of FLAMEX are classified as a flame-retardant building material** according to DIN 4102 B1

HIGHEST QUALITY

-  **Quality assurance and monitoring** from polymer to finished fabric
-  **All fabrics made with FLAMEX are tested for flame retardancy** by Carl Weiske
-  **Very good processing properties** for a wide range of applications

TESTED FOR HARMFUL SUBSTANCES

-  **OEKOTEX Standard 100, class 1** (article for babies)

HOW FLAMEX WORKS

The flame retardant effect is ensured through the fix anchored phosphorous-organic compound in the fibre

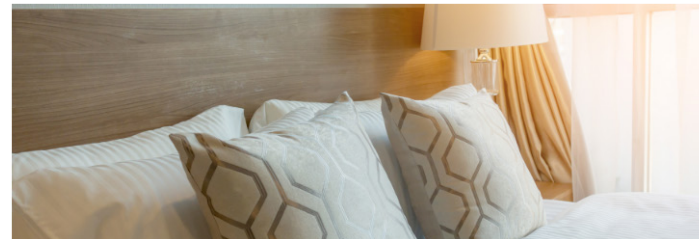
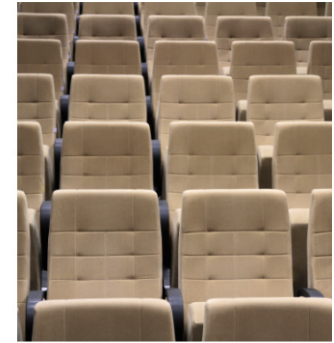
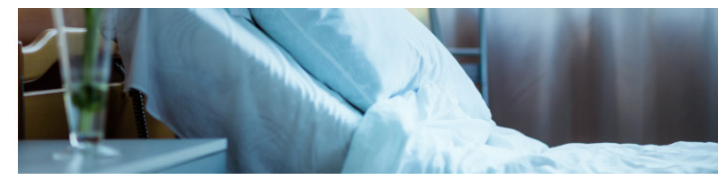
Balanced ratio between optimum flame-retardant effect and high physical performance

Phosphorus content in **FLAMEX** fibres and filaments:
> 6.500 ppm.

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The optimum phosphorus content depends on the FR polymer and the fiber production process



VARIOUS APPLICATIONS



Theaters & concert halls



Hotels & Gastronomy



Public buildings



Transportation & Aviation



*SPACE FOR
CREATIVE
IDEAS.*

Slub-
yarns

Bouclé

Ondé

Loop

Customized to your needs.

*FUNCTIONS.
EFFECTS.
COLORS.*

STAPLE FIBRE YARNS FLAMEX

Ring-spun	semi-dull	Ne 6-40	1-2 ply
Ring-spun	bright	Ne 6-60	1-2 ply
OE-Garn	semi-dull	Ne 6-30	1-2 ply
OE-Garn	bright	Ne 6-30	1-2 ply
HIGHTEX AV	semi-dull	Ne 12-40	1-2 ply
HIGHTEX AV	bright	Ne 12-60	1-2 ply
compact-spin	semi-dull	Ne 12-40	1-2 ply
compact-spin	bright	Ne 12-60	1-2 ply

Effect yarns: Bouclés, slub yarn

Colors: yarn- or dope-dyed yarns

FILAMENT YARNS FLAMEX

Textured (DTY)	semi-dull	dtex 50-330	1-4 ply
Textured (DTY)	semi-dull	dtex 400-2500	

Highly twisted yarns: Textured yarns or Taslan yarns

Effect yarns: Bouclés, Melanges

Colors: yarn- or dope-dyed yarns

FIBRES FLAMEX

bright	optically white	1,3dtex / 38 mm
semi-dull	optically white	1,7 dtex / 38 mm

PROCESS

RELEASE

Definition of required fire protection standards

Submission of finished fabrics for testing
(made entirely from FLAMEX)

Tests to prove conformity with required standards
(including DIN 4102-B1 and M1)

Release by Carl Weiske
with confirmation of approval & test reports

Compliance with required fire protection standards & approval of the fabric as a construction product

Certificate of conformity for polyester fabrics made from FLAMEX possible

Continuous quality assurance

- Testing the fire behavior of FLAMEX yarns per lot
- Testing by an accredited institute (general building authority test certificate)

- Polyester fabric made of FLAMEX has the general building authority approval DIN 4102-B1 (prerequisite: approval)
- Approval for FLAMEX materials for verification of compliance with various fire classes such as B1, M1, EN13773 on request

CARL WEISKE DESIGNS & DEVELOPS POLYMERS, FIBRES, YARNS AND TEXTILE SYSTEMS.

Carl Weiske is a medium-sized company and a reliable partner in the development and production of fibres, yarns and textile systems.

Manufacturers of technical textiles, automotive and textiles for the home and public building benefit from Carl Weiske's high quality and safety standards.

Carl Weiske takes great responsibility for its products and the production process. The in-house development of product designs and production processes as well as extensive quality controls guarantee outstanding product quality.

With comprehensive engineering know-how and laboratory services, Carl Weiske supports its customers in solving specific requirements.

***EXCELLENCY.
PASSION.
RESPONSIBILITY.***



Own development of the product design and production processes



Intensive process monitoring



Guaranteed product quality



Customized material planning & logistics

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