

SECURING YOUR PROFITS SAFEGUARDING YOUR FUTURE

The Recron FS logo is displayed within a white rectangular box. It features the word "Recron" in a dark grey sans-serif font, followed by "FS" in a white sans-serif font inside a green circle. Below this, the words "EVERLASTING PROTECTION" are written in a smaller, dark grey sans-serif font.

Recron[®]FS
EVERLASTING PROTECTION



PROTECT YOUR FUTURE.

By preserving the Present.

It takes eons to build a dream, but only a moment for it to be destroyed.
Just a second for all your hard work to go up in smoke.

This can happen at any moment to anyone. Of all the possible causes of life and property damage, fire ranks as the biggest culprit. And the biggest catalyst? Fabric without any fire retardancy.

It's impossible to imagine a world without textiles – fabrics for clothing, fabrics for upholstery, fabrics for seating, etc. The need of the hour is fabric that can be used everywhere but can also withstand fire propagation.

Our answer? Recron® FS.

Recron® FS is an innovative hi-performance flame retardant polyester from Reliance, India. FS stands for Fire Safe and has excellent fire retardant applications.

Recron® FS has a unique molecular structure with fire retardant components embedded in it. This helps in the creation of fabrics that do not allow fire to propagate. Hence, Recron® FS based fabrics possess the unique ability to provide everlasting fire safety in any application.

Giving your business the best protection it can get.



ENGINEERED TO PREVENT
FIRE FROM SPREADING



Using Modified Polyesters With Embedded
Fire Retardant Components

Scan the above image with Recron® FS App to see it come alive



WEAVING SMARTER TEXTILES

The textile industry is one of the most important industries in the world as it satisfies many of our essential and vital needs through fabrics – personal apparel & hygiene applications, upholstery for homes and seating & décor for public spaces, in addition to many other wondrous applications.

Unfortunately, fabric is also a great friend of fire.

To find a solution to this problem we focused on one idea.

What if fabric can be made 'smarter' to become resistant to fire?

This idea led to the creation of Recron® FS Polyesters that are fire retardant.





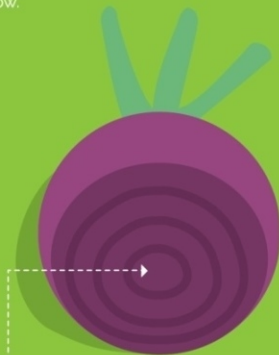
PROVIDING SUPERIOR FIRE SAFETY

Fabric is typically made fireproof by using a fire retardant topical finish, which is inferior to the high quality long lasting fire retardant property in Recron® FS based fabrics. The comparison is illustrated below.



TOPICAL FR FINISHES

Like in the **radish**, topical FR finishes are limited only to the outside / surface of the fabric.



RECROn® FS PROPERTY

As in the **beetroot**, Recron® FS molecules are deeply embedded even inside the fabric core, making it fire retardant inside out.

Recron® FS is superior to any topical finish and other similar fire retardant products.

TAKE A LOOK
AT THE INFINITE
APPLICATIONS OF



PROTECTING HOMES & ALL THEIR MEMORIES

Recron® FS provides the perfect companion for your safe home fabric requirements. As it comes in a number of variants, it can be used in all kinds of applications such as weaving curtains, carpets and upholstery with the fire retardant performance remaining the same everywhere.

It is also easily dyed in a number of shades enabling beautiful interior designs. These fabrics are easy to care for and easily washable without the fear of affecting its fire retardant properties.

Recron® FS is also Oekotex Standard 100 certified and satisfies the most stringent human-ecological requirements established for baby articles.



MAKING TRAVEL SAFE & EXCITING

Recron® FS is the go-to fibre for all fire retardant fabrics needed for the transportation industry, whether aviation, marine or road.

The deep rooted fire retardant property provides essential fire protection to passengers and crew alike.

Recron® FS is naturally breathable and abrasion resistant while having excellent colour and light fastness. This adds value to the seat covers and head liners by keeping them looking new for a longer period of time.



SECURING PUBLIC SPACES & PEACE OF MIND

Public spaces need an enormous amount of fabric to help with the design and this fabric can pose the greatest risk to property and life, in the eventuality of a fire. Recron® FS helps assuage that fear with hi-performance fire retardant properties.

The permanent nature of the property ensures that the 'fire-safe' benefit can be offered to customers for the life of the fabric.



AIDING SAFE RECOVERY & PUBLIC HEALTH IN HOSPITALS

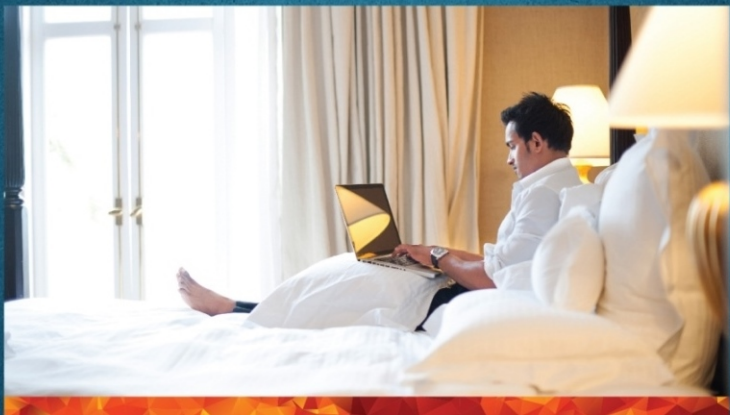
Recron® FS provides assistance to recovering patients by protecting against fire hazards. It is safe and user-friendly and does not need any special chemical processing to maintain its fire retardant properties. It maintains its inherent properties during processing and retains the safety factor after repeated washing or drying.

Recron® FS is also Oekotex Standard 100 certified and satisfies the most stringent human-ecological requirements established for baby articles.

SAFEGUARDING THE HOSPITALITY INDUSTRY

Recron® FS gives the desired fire protection for all the fabric requirements of the hospitality industry. Moreover, the long lasting nature of the property ensures that the benefit prevails all through the fabric's life, leading to assured safety and reduced life cycle cost of the fabric.

It protects the colours of the interiors from fading and deterioration due to exposure to sunlight. It also protects the room from sun glare and reduces the air conditioning load in the summer.



ADDING NEW DIMENSIONS TO FIRE RETARDANCY

Long-lasting

Undiminished level of fire retardancy

Easy to make into fabric

Easy-care fabric



ENABLING EASY USE AND CARE

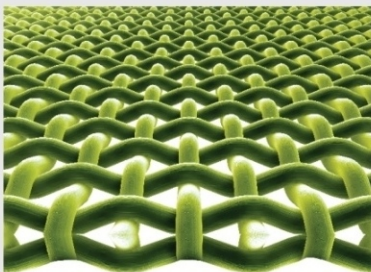
Recron® FS based fire retardant fabrics are largely used in applications related to upholstery, furnishings, transportation textiles, etc. given the high need for fire safety in these products.

The same process is used to make all Recron® FS products that deliver the same consistent performance on fire retardancy

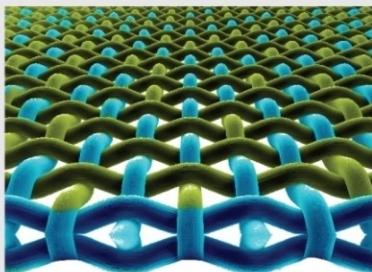
High product flexibility for all types of applications

No necessity for any further topical finish

Easier fabric washing and drying process



Uniform flame retardance
throughout the fibre and fabric



Non-uniform coverage of fabrics
with topical treatments



PROTECTING YOU AND YOUR ENVIRONMENT

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
17149 Shirley



Tested for harmful substances.
www.oeko-tex.com/standard100

Although a formidable fire retardant, Recron® FS will never harm a person. It is Oekotex Standard 100 certified and satisfies stringent human-ecological requirements established to even make baby articles.

Recron® FS also fulfils the requirements of Annex XVII of REACH (including the use of azo-dyes, nickel etc.) as well as the American requirement regarding total content of lead in children's articles (CPSIA). This makes Recron® FS suitable for usage globally, including the EU and USA.



SUPPORTING YOUR ENTERPRISE

Trademark Service for Assured Performance

Recron® FS will ensure successful testing of all fabrics as per standard fire retardant tests.

As this polyester is guaranteed to provide fire protection, we aim to take on the risk from the fabric makers to ourselves.

Upon successful testing of the fire retardant fabric, the fabric maker is eligible for the unique Recron® FS trademark. This trademark will convey the superior fire retardancy of the fabric assurance to fabric makers and consumers, while building a feeling of trust down the value chain.

Recron® FS comes from the stable of Reliance Polyesters, the largest integrated polyester fibres and yarns in the world with a current capacity of 2.5 million tonnes per annum.

Recron® is the flagship brand of Reliance Polyester.





Strong Technical Support

Every fabric made with Recron® FS enjoys the same technical support and customer focus that has helped Reliance become leaders in the polyester industry.

Our technical team comprises of several highly qualified professionals, each with more than 15 years of experience in the textile industry. This team is the backbone of our assurance that our Fire Safe polyesters will help protect vital property and precious human lives in the best possible manner.

Expanded Promotional Service

'Innovations for Life' is the guiding philosophy at Recron® and the success of the brand speaks for itself. Reliance Industries has a global presence in various textile events and forums and will engage this network to promote our partners and their fabric collections. Our online fabric library will also provide an easy-to-use interface between fabric makers and prospective buyers.

Recron® FS delivers consistent guaranteed safety over time. Not only have we rigorously evaluated our product in our internal R&D centres, but we have also made sure that it passes stringent tests at third party testing centres.

REGULATION	DESCRIPTION
NF P 92 - 507	Interior Materials Classification for flammability
ABD 0031	Smoke visibility
LOI: IS 13501 / ASTM D 2863	Determination of Flammability by Oxygen Index
VFT: IS 11871-A / BS 3119 / NFPA 1975	Determination of Flammability and Flame Resistance of Textile Fabrics
ISO 15025 / BS 5867 (IS 15758-4)	Flame Spread
ISO 6940 / 6941	Ease of Ignition and Flame Spread in Vertically Oriented Specimen
ASTM D 4151	Flammability of Blankets
CTB 117: 2013 SECTION 1	California Flammability Standard for Upholstered Furniture
UIC 564-2 Appendix 5	Fire Resistance of Coated and Uncoated Textiles
ISO 12952- Part 1 & Part 2	Part 1: Ignitability of Bedding Items, Part 2: Smoldering Cigarette
DIN 4102-1 (The fire class is denoted 'B2')	Ignitability of Building Products when Exposed to a Small Flame
NFPA 701	Flame Propagation of Textiles and Films. - Test Method 1
16 CFR 1630	Surface Flammability of Carpets and Rugs (FF 1-70)
BS 7175: 1989 Section 2	Ignitability of Bedcovers and Pillows by Smoldering and Flaming Ignition Sources



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