

SECURING
YOUR PROFITS.
SAFEGUARDING
YOUR FUTURE.



Recron[®]Fs
EVERLASTING PROTECTION



PROTECTING YOUR FUTURE.

By preserving the present.

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

This is not a fantasy. This is something that can happen at any moment. Of all the causes of life and property damage that include road accidents, plane crashes and natural calamities, fire is the biggest destroyer.

And the biggest catalyst? Fabric without special fire-retardant function.

It's impossible to imagine a world without textiles. Fabric creates the mood in a living room. Fabric provides comfort when you watch a movie in a theatre. Fabric offers ergonomic working spaces.

The need of the hour is fabric that can be used everywhere but can also withstand fire propagation.

Our answer? Recron® FS.

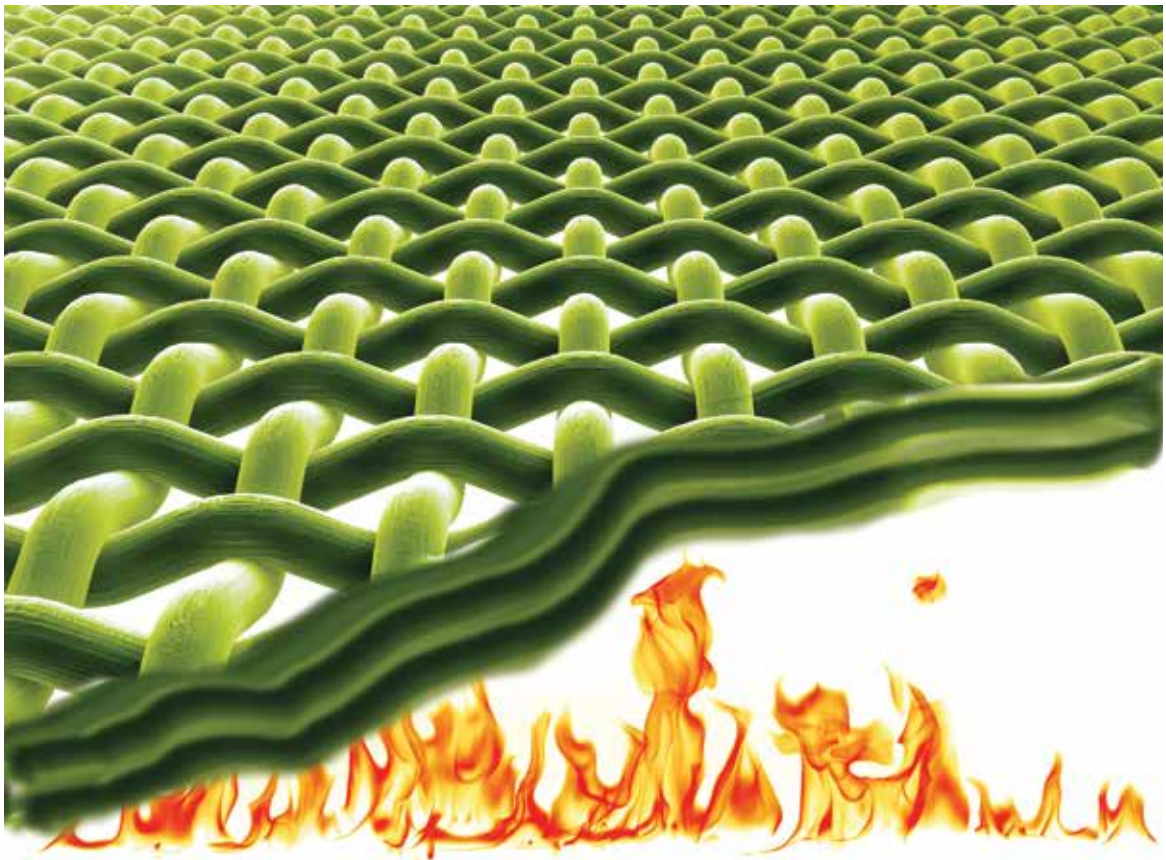
Recron® FS is a high quality performance flame retardant polyester from Reliance, India. FS stands for Fire Safe and has excellent fire retardant applications.

Recron® FS has a unique molecular structure with fire retardant components embedded in it. This helps in the creation of a textiles that doesn't allow fire to propagate. Hence, fabric made with Recron® FS polyesters possess the unique ability to provide everlasting fire safety in any application.

Giving your business the best protection it can get.

Recron[®]Fs
EVERLASTING PROTECTION

PREVENTS
FIRE FROM
SPREADING





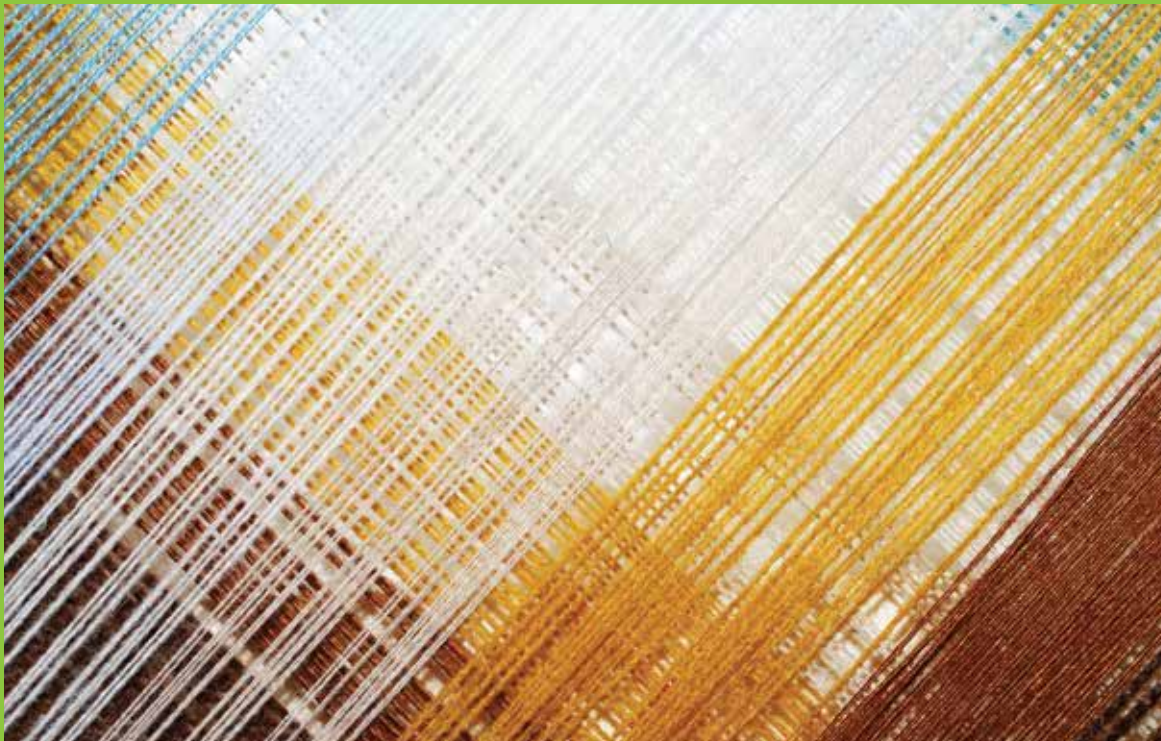
WEAVING SMARTER TEXTILES

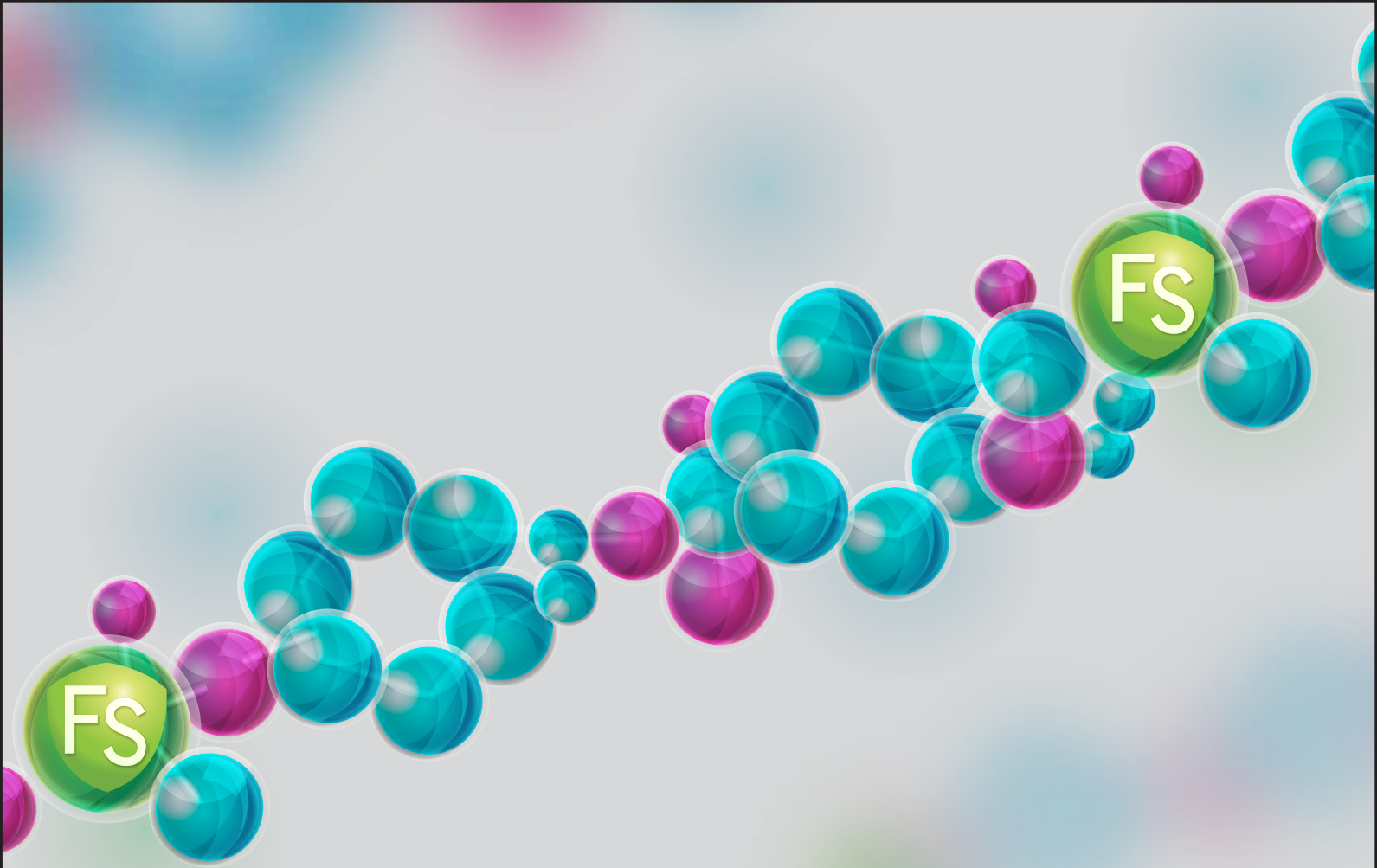
The textile industry is one of the oldest commercial industries in the world. Yet it continues to flourish to this date because of the various needs it satisfies. Providing fabric for personal apparel, for your homes and public spaces, aiding in look, feel and functionality.

Unfortunately, fabric is also a great friend to 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 question led to the creation of Recron® FS or Fire Safe polyesters.





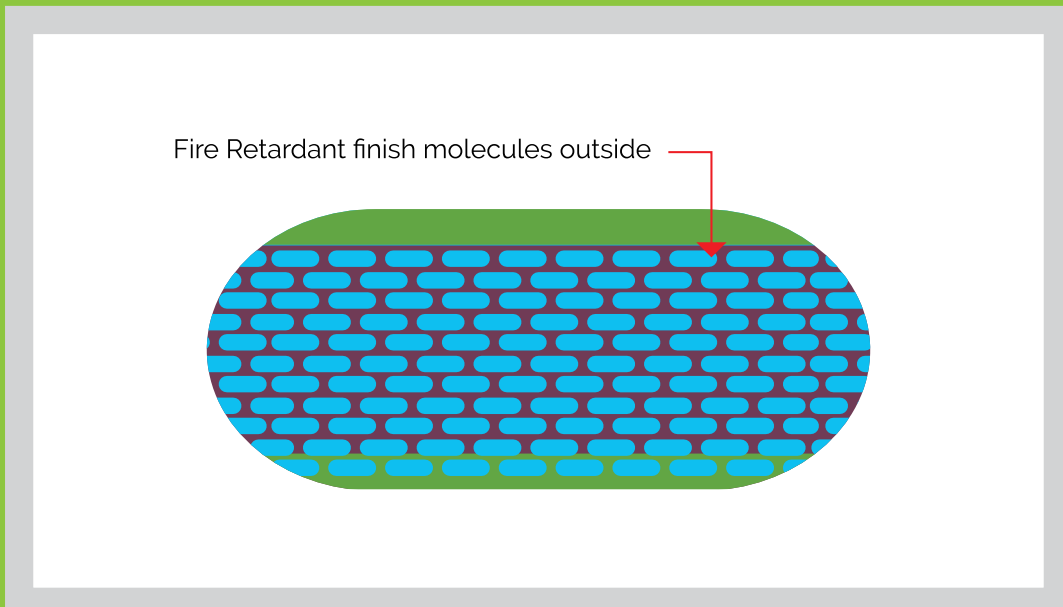
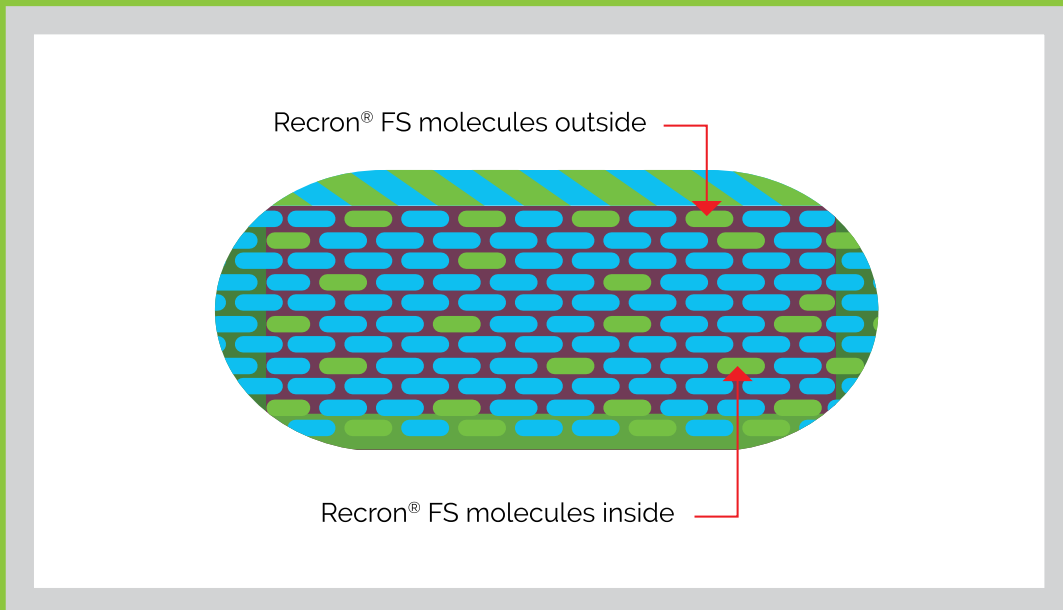
MODIFIED POLYESTER
WITH EMBEDDED
FIRE RETARDANT
COMPONENT



PROVIDING SUPERIOR FIRE SAFETY.

There are a number of ways to render fabric fireproof. Sometimes this is done using a fire retardant topical finish. However a topical finish is inferior to high quality Recron® FS based fabrics.

Recron® FS has consistent flame retardant properties throughout the fabric, whereas in a traditional topical finish fabric, the property lies only at the surface and not at the core. Moreover Recron® FS uses a chemical modification process which ensures it does not leach out unlike topical finish.





Unlike modacrylic or polypropylene fire retardant products, Recron® FS molecules do not release any toxic compounds when burnt. Also the fire retardant chemicals are bonded to the chemical chain leading to everlasting safety.

Recron® FS is more superior to topical finishes and other substitutes



A SNAPSHOT

Embedded fire retardant molecules
for ever-lasting fire protection

Superior to fabrics with fire retardant finish

Consistent performance throughout the fabric life

Easy to create and maintain fabrics

TAKE A LOOK AT
THE INFINITE
APPLICATIONS OF

Recron[®]FS
EVERLASTING PROTECTION

SECURING HOMES

Recron® FS provide the perfect companion for your safe home fabric requirements. Since Recron® FS comes in a number of variants, it can be used in all kinds of applications such as weaving curtains, carpets and upholstery and the fire retardant performance remains the same in every application.

Recron® FS is also easily dyed in a number of shades which enables beautiful interior design. 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 which makes it satisfy even the most stringent human-ecological requirements established for baby articles.



CREATING SAFE TRAVEL

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

It has fire retardant properties from its insides till the surface and these do not diminish with time.

Recron® FS is naturally breathable and abrasion resistant while having excellent colour and light fastness. This gives it an added value for keeping seat covers and head liners looking new for a longer period of time.



PROTECTING PUBLIC SPACES

Public spaces need an enormous amount of fabric to help with the design and this means that these pose the greatest risk, in terms of property and life, in the eventuality of a fire.

Recron® FS helps assuage that fear with high-performance fire retardant properties.

Recron® FS remains permanently in the fabric and protects it for the life of the fabric.



AIDING HOSPITAL SAFETY

Recron® FS provides assistance to the recovering patients by protecting against fire hazards. Recron® FS is 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 safety factor after washing or drying.

Recron® FS is Oekotex Standard 100 certified which makes it satisfy even the most stringent human-ecological requirements established for baby articles.



GUARDING THE HOSPITALITY INDUSTRY

Recron® FS gives the desired fire protection for all the fabric requirement of a hotel. Moreover, the fire retardancy is there for the whole life of the fabric, leading to assured safety and reduced life cycle cost of the fabric.

Recron® FS protects interior colour from fading and furnishing from deterioration from sunlight. It also protects the room from sun glare and reduces the air conditioning load in the summer.







ENABLING EASY USE AND CARE

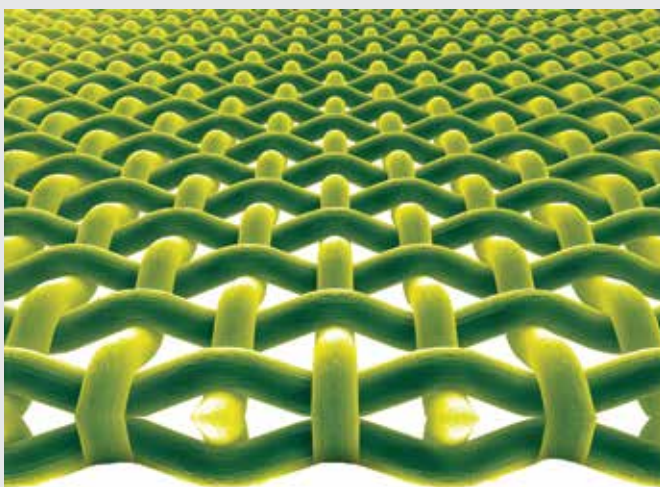
Recron® FS is a high-performance fire retardant polyester designed to help industries which work on upholstery, furnishings, transportation textiles, etc. incorporate extremely effective fire retardancy in their wonderfully designed fabrics.

The same recipe behind all Recron® FS products ensures consistent performance

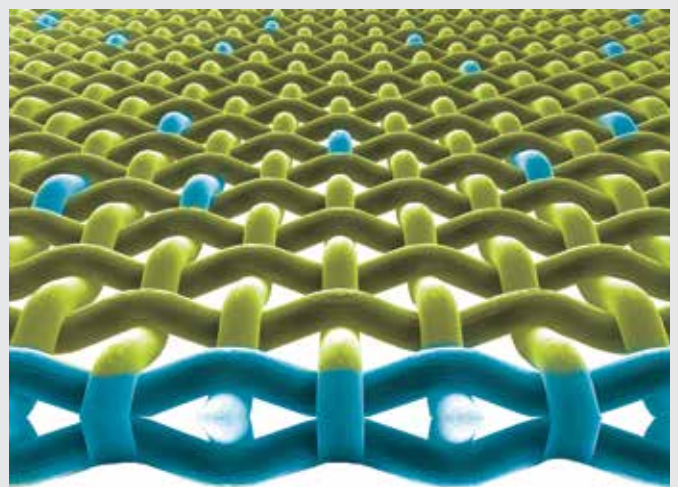
Superior Recron® FS product flexibility for all applications

No need for any topical finish

Easier fabric washing and drying process

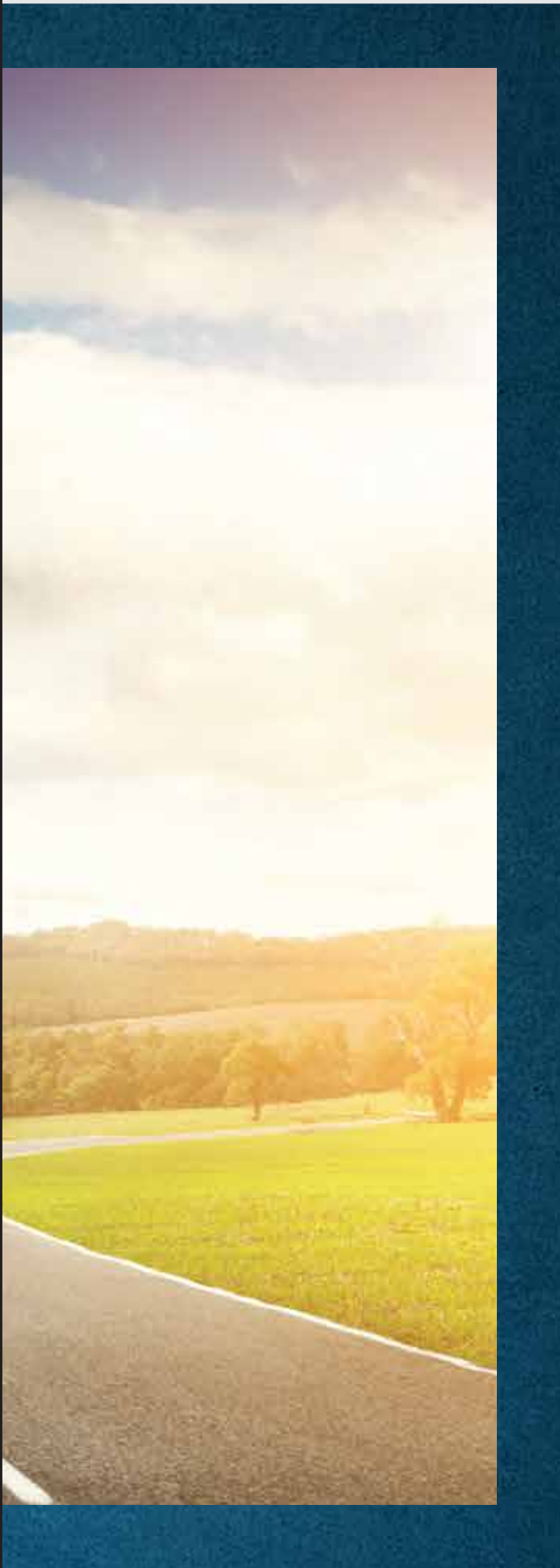


Uniform Recron® FS action throughout the fibre and fabric



Non-uniform coverage of fabrics with topical treatments





Recron® FS
EVERLASTING PROTECTION

PROTECTING YOU AND YOUR ENVIRONMENT

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
17149 Shirley



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

Recron® FS can protect you from fire using the strongest possible retardant action but it will never harm a human being. Recron® FS is Oekotex Standard 100 certified which makes it satisfy even the most stringent human-ecological requirements established for 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 in both EU and USA.



SUPPORTING YOUR ENTERPRISE

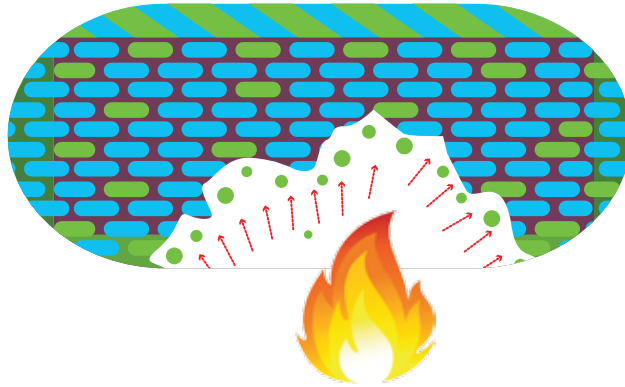
Trademark Service for Assured Performance

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.

Recron® FS will ensure that all fabrics made are tested in standard fire retardant tests and come out successfully. Recron® FS is guaranteed to provide assured fire protection.

Upon successful passing of the Recron® FS based fabric, the fabric maker is eligible for the unique Recron® FS trademark. This trademark will not only build a feeling of trust down the value chain but it will also provide assurance to the fabric makers about the performance of the fabric.





Recron® FS molecules prevents fire spread

Strong Technical Support

Every fabric made with Recron® FS, can expect 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 will not only ensure that Recron® FS is easily made into fabric, but also that they perform their fire protection duty in the best manner.

Expanded Promotional Service

'Innovation for Life' is the guiding philosophy at Recron® and the success of the brand speaks for itself. Reliance Industries has 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 guaranteed safety that remains constant over time. Not only have we rigorously tested our product in our internal R&D centres, we have also made sure that it passes stringent tests at third party testing centres:

Limiting Oxygen Index: ASTM D2863:1987, IS-13501:1992

Flammability Test (Vertical): IS 11871:1986, BS 3119

Flammability Test (45° Angle): ASTM 1230:1994

Flammability classified as M1: NF P 92 503, 504, 505, 507

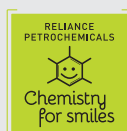
Flame Propagation Test: NFPA 701:2004 (Class-i)

Flame Spread - Vertical IS: 15758:2007, Part 4:

ISO: 15025:2002 (Index 3)

This gives you the assurance that Recron® FS will perform irrespective of the country you are in or the type of applications.

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