FireSafe

New Technology Fire Prevention

Star Polymers

FireSafe Product Description

FireSafe is a proprietary formula that has been developed into a variety of products that effectively protect flammable materials from fire ignition and flame spread

FireSafe products include :

- interior paints
- exterior paints
- clear coatings
- wood preserver
- fire extinguisher liquid
- fireproof coating
- forest fire liquid



FireSafe

Features & Benefits

- FireSafe prevents ignition / spread of fire when coated on flammable surfaces
- Contains ZERO Volatile Organic Compounds (VOCs) meaning no toxic fumes when exposed to fire
- Can be applied in form of a durable membrane, a paint or as a clear coating, and more ....
- FireSafe is also VERY effective at blocking heat transfer to material surface

FireSafe Demo Videos

#1 - Cardboard & Torch Demo

#2 - Foam-board & Torch Demo

#3 - Hand & Torch Demo

Video clips demonstrating FireSafe protective paint coating in action.

(available on website)

FireSafe MOST Distinguishing Features

Effective Against Fire

Barrier against ignition and flames

Effective Against Temperature

Blocks temperature transfer to layer behind

ZERO VOCs

Does **NOT** emit toxics fumes
Safe for enclosed spaces

VERSATILE

FireSafe Technology can be applied to a variety of applications

FireSafe Coatings
Material Properties

- Water-based and odorless formula - warm water and soap clean-up
- Non-Toxic - Contains ZERO Volatile Organic Compounds (VOCs) - so emits no toxic fumes when exposed to heat / fire
- Safe around people, plants and pets
- For BEST coverage and fire protection, 2 coats are recommended

FireSafe Coatings
Application Notes

- Application options: by brush, roller or spray

- Application temperature conditions
  recommended between 10 - 32 C (50 - 90 F)

CONSTRUCTION APPLICATIONS











FireSafe Markets

- RESIDENTIAL
  - HOMES
  - APARTMENTS
  - CONDOS
- SCHOOLS
- PUBLIC BUILDINGS
  - OFFICES
- HOSPITALS
- OIL & GAS
  - PIPELINES
  - REFINERIES
  - TANKS
- INDUSTRY
  - MINING
  - AG
  - MFTG
  - FORESTRY
  - ENERGY
- TRANSPORTATION
  - CARs
  - TRUCKs
  - RVs
  - BOATS / SHIPs
  - AIRCRAFT
  - TRAINS

INDUSTRY APPLICATIONS











FireSafe Applications

BUILDING MATERIALS

- WALLS
- DOORS
- ROOFS
- CEILINGS

PASSENGER VEHICLES

- EV BATTERY SHIELD
- FIRE WALL BARRIER
- ELECTRIC WIRES
- EV BATTERIES

ENERGY UTILITIES

- PROPANE TANKS
- BULK FUEL TANKS
- PIPELINES
- UTILITY ROOMS
- ELECTRIC PANELS

CONSUMER PRODUCTS

- FURNITURE
- MATTRESSES
- FABRICS

FIRE FIGHTING

- ECO-FRIENDLY FLUID
- IMPROVED SPRINKLERS
- FOREST / WILD FIRES

FireSafe Product Line

FireSafe 100 - Protection for a variety of materials

- Available in paint, stain & clear

FireSafe 200 - Protection for a variety of materials

- paint product - FM / UL / ULC fire rated

FireSafe 300 - Durable, flexible coating / membrane

- suitable for waterproofing
- ideal for roofing and foundation applications

FireSafe Certifications

FireSafe has been the subject of SERIOUS industry testing

FM

Tested to ASTM E-84
Steiner Tunnel Test

UL

UL Certification secured
through confirmation of
ASTM E-84 Testing

Development & Testing

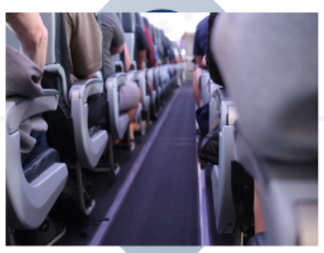
Exploring MORE FireSafe Applications



Using FireSafe in Fire Extinguishing Systems



Using FireSafe to protect against the fire hazard of batteries in EVs



Using FireSafe to protect cabins of passenger vehicles like buses, trains and even aircraft

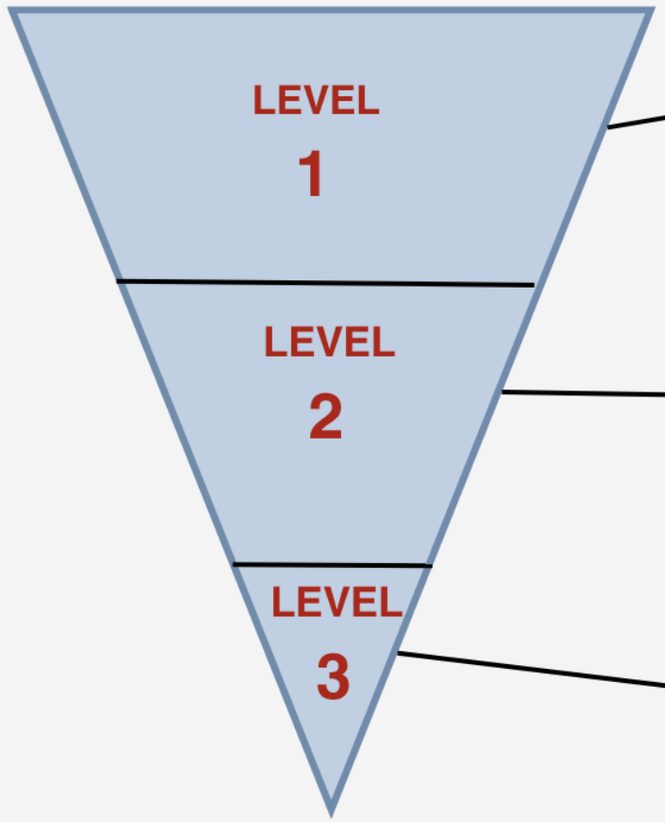


Using FireSafe as an environmentally friendly alternative to firefighting chemicals

FireSafe Product Support

- Star Polymers prioritizes product technical support as an essential service for every product.

- We are ready, eager and willing to get our clients the information needed to experience the best possible result - including:
  - selecting the right product
  - precise details for applications
  - help solve problems on the job
  - even make product refinements to better suit very specific needs



PRODUCT FEATURES

- providing product details including specifications, testing, etc.
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APPLICATIONS SUPPORT

- We go beyond reading a product sheet
- Our support team have decades of hands-on experience .....

VERY TECHNICAL

- the most technical product questions
- we may even confer with the product chemist to answer certain questions

FireSafe Business Model

Manufacturer Direct Sales to Business

We sell to product distributors, manufacturers and application contractors

FireSafe Applicators to be Factory Trained

FireSafe application training is requirement for an applicator / client supply agreement

Supply Contracts

We do NOT sell into the retail market
FireSafe business is dedicated to supplying commercial / industrial clients

Star Polymers

Other Services

CONSULTING

Matching project needs with 100s of formulations

CUSTOM FORMULATIONS

We can tweak our formulas to provide a bettter fit to client's specific needs

COLLABORATIONS

We can lend our expertise to collaborate on bigger projects


INTERSPIRO

FireSafe

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