



INHERENTLY FLAME RETARDANT ARTIFICIAL FOLIAGE

BRAND OVERVIEW



FireSilx

FLAME RETARDANT FOLIAGE

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Manufactured using inherently flame retardant materials and chemicals, FireSilx foliage is inherently flame retardant and designed to self extinguish. FireSilx products are never post sprayed or dipped, and as a result FireSilx FR properties will never wash off or dissipate over time, that is why we guarantee and warrant all FireSilx products for life.

An impressive bank of authorised certifications - constantly growing and updated is available to view and with every FireSilx order comes all relevant certification.



Guaranteed for life

Official FR certification

Reapplication and reproofing is never required

FireSilx foliage is inherently fire retardant, there is no need for costly annual reproofing.




Quality Control

All FireSilx foliage batches are tested in our factories after production and in our warehouse after delivery in our testing chamber. Spot checks are routinely performed on random foliage samples prior to being dispatched.

Materials

FireSilx is manufactured with a mix of different materials including Polyester Pongee, PVC and latex to achieve lifelike foliage and stems. We use steel wire and rods to give FireSilx products the correct structure, and so that they can be bent into the desired shape required for display.

Comparison Chart

| | FireSilx Foliage  Inherently Fire Retardant Artificial Foliage | Faux Foliage FR treated Faux Foliage with post manufacture FR spray |
|------------------------|---|---|
| Manufacture | FireSilx FR properties are part of the manufacturing process, inhibitors are added to the raw materials guaranteeing 100% consistency | Post sprayed or dipped, inconsistent coverage. Leaving a sticky/oily finish attracting dust and dirt. May also lead to loosening of joints, leading to degradation of product |
| Product Description | High quality replica, true to colour and botanically correct | Post dipped products can have an oily and crystallised appearance |
| Finish | Natural appearance, with shine or matte that reflects the real thing | Shiny and tacky finish with a greasy film that attracts dust and dirt |
| FR Consistency | FR properties are infused in the raw materials ensuring consistency | Inconsistent and spotty |
| Reapplication Required | No need | Yearly reapplication necessary |
| Guarantee | Guaranteed for life | NA |
| Fire Testing | See certification chart | NA |



FREQUENTLY ASKED QUESTIONS

What is FireSilx?

FireSilx is an international brand that has been used and trusted by specialists in the interior and exterior landscaping market for over 25 years.

Why choose FireSilx?

Safety should be paramount in any project, FireSilx foliage is tested in accordance with international building and construction standards.

What's the difference between FireSilx and non-FR rated foliage

FireSilx is inherently flame retardant and is not like alternatives available on the market that are post sprayed or dipped. These applications leave an oily residue and attract a build up of dust and grime, ultimately deteriorating the product over time. Unlike FireSilx IFR products there is no guarantee that the entire product is adequately covered and 100% fire safe.

What do the certificates mean?

FireSilx has been internationally tested throughout the world. We use a number of recognised international testing houses providing official local and international certification. FR certificates are required for full sign off and completion of projects.

Who decides whether artificial plants should be FR or not?

Most countries throughout the world have differing fire safety standards. FireSilx is compliant in all international markets. Architects will check with local fire officers, who will specify what FR rating is required.

Where can you get FireSilx products?

FireSilx products can be purchased all over the world from wholesalers and distributors. Find out more at www.firesilx.com/distributors.



FireSilx Certificate Legend

FireSilx Fabric Material

| Certificate | | Year Issued | Description | Certificate Ref |
|---------------------------------|----------|-------------|--------------------------------------|-----------------|
| BS 5867:Part 2: Type B | ✓ Passed | 2018 | British standard | FR025 |
| BS EN 1021-1 & 2: 2014 | ✓ Passed | 2015 | European standard | FR018 |
| U.S. CFR Title 16 Part 1500 .44 | ✓ Passed | 2017 | US standard | FR011 |
| DIN 4102-1 | ✓ Passed | 2018 | German building standard | FR023 |
| NF P 92-503: M1-M3 | ✓ Passed | 2018 | French standard | FR024 |
| NFPA 701-2019 | ✓ Passed | 2020 | US standard | FR028 |
| ASTM E 84 | ✓ Passed | 2020 | US standard | FR029 |
| IMO FTP Code 2010 Part 7 | ✓ Passed | 2019 | International Maritime Organization | FR030 |
| BS EN 13501-1 | ✓ Passed | 2021 | British & European building standard | FR032 |

FireSilx Plastic Material

| Certificate | | Year Issued | Description | Certificate Ref |
|---------------------------------|----------|-------------|--------------------------------------|-----------------|
| BS 5867:Part 2: Type B | ✓ Passed | 2019 | British standard | FR027 |
| U.S. CFR Title 16 Part 1500 .44 | ✓ Passed | 2017 | US standard | FR016 |
| UL-94:2014 | ✓ Passed | 2017 | International standard | FR014 |
| ASTM E 84 | ✓ Passed | 2021 | US standard | FR031 |
| BS EN 13501-1 | ✓ Passed | 2021 | British & European building standard | FR033 |



WATCH FIRESILX IN ACTION

See how FireSilx products self extinguish via a series of videos.



BROWSE THE FIRESILX COLLECTION

The entire FR range together in one online FireSilx catalogue.



UVSilx is an international brand of artificial exterior grade foliage that has been designed for external uses.

UVSilx offers ultraviolet protection and resistance to the colour-damaging effect of extreme heat and direct sunlight. Manufactured with the same premium technical qualities as our FireSilx products. UVSilx has a UV inhibitor added at the time of manufacture and as a result all products are tough, fade resistant, and capable of withstanding large variations in temperature and climate conditions.

You'll find UVSilx products in external environments, standing the test of time all over the world. UVSilx products are tested to ISO 489-3 and ASTM G154-12a. Official certification is available on request.



External grade foliage

UVSilx foliage has been specially designed and developed to be used externally.



Fade resistant

UVSilx foliage is guaranteed to remain true to colour, even when exposed to direct sunlight.



Withstand high temperatures

Even when used in the hottest climates, UVSilx foliage will remain true to form and colour.



Lifelike faux plants & foliage

UVSilx foliage is designed and manufactured to be botanically accurate.




Tough and durable

To be sure the products can be used in exterior locations, special measures have been taken to strengthen and weatherproof the foliage.



Arboretum is a brand of artificial trees, hand-built in the UK and UAE to the very highest of standards. Manufactured with a mixture of sustainably sourced natural materials, custom-made steel structures and FireSilx IFR foliage, Arboretum trees are life-like, durable and long lasting.

Every element of an Arboretum tree is carefully planned, thought-out and executed with the utmost attention to detail. A team of highly skilled artisans are experts at imitating the natural beauty of trees, Arboretum maintenance free replicas are museum grade, mirroring trees found in nature.

- Designed & Manufactured in the UK & UAE
Arboretum replica trees are built carefully by highly skilled artisans in the UK and UAE.

- Hyper realistic museum grade replicas
Extreme attention to detail in every process guarantees a like-for-like match of the real thing.
- FireSilx fire retardant foliage
Arboretum Trees are only ever foliated with FireSilx FR foliage, ensuring safety to guests, customers and businesses.
- Sustainably sourced natural materials
All natural trunks and branches come from sustainably managed tree farms from around the world.
- Giant steel trees with strong internal support
Arboretum trees are manufactured to be just as strong as real living trees, using engineered steel structures that have been structurally signed off.
- Incredibly detailed, and high attention to detail
Even when observed up close, Arboretum trees are difficult to tell apart from the real thing thanks to our meticulous attention to detail.









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WWW.FIRESILX.COM