



FIRE RETARDANT SYSTEMS



It's all in the Chemistry

www.sicommin.com

Fire Retardant Epoxies

Sicomin is a leading global formulator and supplier of technically superior, high strength epoxy resins and advanced composite materials.

Sicomin's market leading range of fire retardant products designed specifically for Construction, Civil Engineering, Aerospace, Rail and Marine applications are designed to deliver high performance laminates whilst also meeting demanding fire regulations.

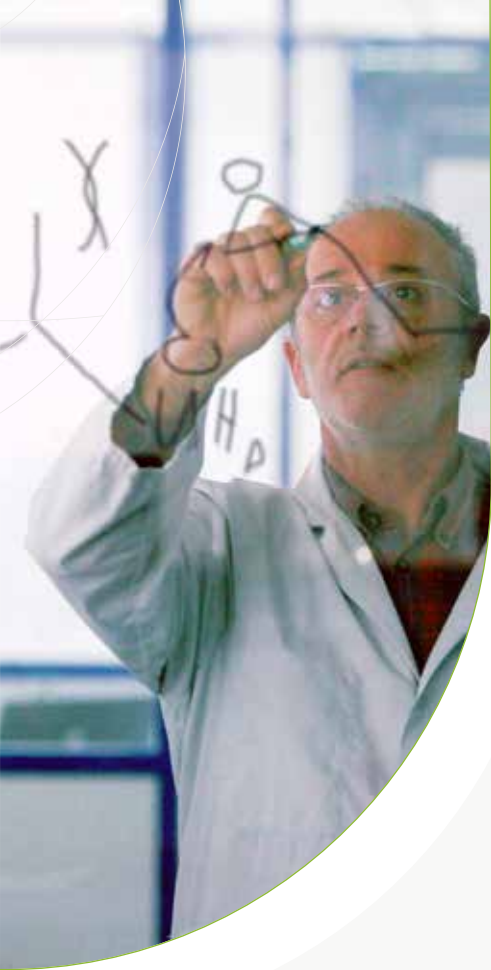
The range is available in a variety of formats suitable for most processing methods including: Laminating, Infusion, Prepregging and Foaming.

Features and Benefits

- Market Leading Range for Civil Engineering, Rail and Aerospace
- Suitable for Laminating, Prepreg, Infusion, Foaming and Coating
- Ambient or High Curing Systems
- Achieved numerous leading OEM's Fire, Smoke and Toxicity (FST) standards
- Superior Flame Spread properties
- Accreditations: ASTM E-84 Class A for Civil Engineering, FAR 25 853 for Aerospace and EN 45 545 for Rail

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TOP PRODUCTS

SR 1126

A new generation, self-extinguishing product with intumescent properties

Halogen free

Laminate classification: UL94 / V0 & FAR25-853 (a)

Has achieved both Airbus and Boeing's FST (fire smoke toxicity) standards



SR 1138

Halogen free, Fire retardant epoxy resin

Meets the stringent fire protection standards specified in DIN EN 45545 HL3, DIN 5510 and FAR 25

Designed for civil engineering, automotive and transportation components

Available with a range of hardeners, SZ 851x & SD 477x

Offers an exceptional fire resistance with SC FW16 coating (ASTM E84 class A)



SR 1124

Low viscosity, fire retardant epoxy resin

Designed for infusion, hand laminating and filament winding processes.

Halogen free and flame retardant

Low smoke opacity and toxicity

Meets the stringent fire protection standards specified in construction, automotive and transportation parts

Offers an exceptional fire resistance with SC FW16 coating (ASTM E84 class A)



SC FW 16 Fire Wall

An intumescent paint for the fire protection of composite, wood and metallic structures

One component emulsion paint

Halogene free, yielding no acid vapors during fire

Bonds to a wide range of surfaces

Stops heat propagation and fire progression by creating an insulating microporous foam and by releasing extinguishing gases

For Public and Industrial buildings and interior and sheltered use



EPOXY / FIRE RETARDANT - Comparative Chart - Epoxy Systems - Fire Retardant

	Weight ratio 100 g + .. g	Volume ratio 100 ml + .. m	Pot-life for 500g Mix at 20°C	Mix viscosity at 20°C (CPs)	Working time at 20°C	TG 1 Max °C	Fire resistance approvals
SR 1126							
SR 1126 / SD 1305	18	23	> 8 h	4 200	> 8 h	130	UL94 V0 & FAR25-853
SR 1126 / SD 8202	20	27	3 h 20m (150 g)	1250	5 h 30m	93	UL94 V0 & FAR25-853
SR 1126 / SD 8203	20	26	3 h (150 g)	2 100	4 H	90	UL94 V0 & FAR25-853
SR 1126 / SD 8205	20	25	51m (150 g)	2 700	2 h 30m	81	UL94 V0 & FAR25-853
SR 1500i							
SR 1500i / SD 2505	17	/	50 m	-	3 H	76	M1

Sicommin boasts one of the largest product portfolio's of technically superior epoxy systems on the market today, as well as high performance advanced composite materials.

Epoxy Resins

Clear
Green
Foaming
Fire Retardant
Laminating
Fast Curing
Prepreg
Wood
Injection
Casting
Fairing
Solvent Free
Wet Surfaces

Reinforcements

Carbon Multiaxials
Glass Multiaxials
Aramid Multiaxials
Woven Fabrics
UD Fabrics

Structural Cores

PVC Foam
PEI Foam
PU Foam
Balsa Foam
PET Foam

Release Agents Fillers

Semi-Permanent
(with solvent or
water based)

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