



GAME CHANGERS

THE HIFUSE™ RANGE OF PERFORMANCE MATERIALS FOR CONSTRUCTION



SMALL ADDITIONS **BIG RESULTS**



THE HIFUSE™ RANGE OF PERFORMANCE MATERIALS FOR CONSTRUCTION

As construction techniques rapidly advance, so too should the raw materials they rely on. Sibelco's HIFUSE™ range is a collection of premium grade mineral-based additives that can radically enhance the performance of key building materials.

Incorporating ATH, lithium carbonate, silica fume and wollastonite, the HIFUSE™ range is a key part of our construction portfolio. Together with silica sands and flours, high density aggregates and recycled aggregates, we offer a one stop solution for all your building material needs.

All HIFUSE™ products are available in a range of grades and specifications - our expert team will help you to select the best solution for your needs.

HIFUSE™ LITHIUM CARBONATE

HIFUSE™ SILICA FUME

HIFUSE™ ATH

HIFUSE™ WOLLASTONITE

FASTER

INCREASE CEMENT SETTING SPEEDS UP TO 14 TIMES
WITH **HIFUSE™ LITHIUM CARBONATE**

FUNCTIONALITY

- + Free-floating powder to accelerate setting times in calcium aluminate cementitious mixtures

FEATURES & BENEFITS

- + Cement sets up to 14 times faster
- + Enables transition from CO₂ intensive Portland cement without compromising hardening
- + Reduces / prevents alkali silica reactions in concrete
- + White colour

APPLICATIONS

- + Insulation board
- + Concrete / fiber cement board
- + Concrete



HIFUSE™ SILICA FUME

STRONGER

CREATE STRONGER, MORE DURABLE CONCRETE WITH
HIFUSE™ SILICA FUME

FUNCTIONALITY

- ⊕ Highly reactive pozzolan material to improve strength (compressive & bond) and durability in concrete

FEATURES & BENEFITS

- ⊕ Creates stronger, more durable concrete
- ⊕ Less corrosion thanks to decreased permeability of chloride
- ⊕ Reduces bleeding
- ⊕ White / grey colour

APPLICATIONS

- ⊕ Concrete
- ⊕ Dry mix mortars
- ⊕ Insulation board
- ⊕ Concrete / fiber cement board

GREENER

REDUCE THE CARBON FOOTPRINT OF PRECAST CONCRETE
WITH **HIFUSE™ WOLLASTONITE**

FUNCTIONALITY

- + Calcium inosilicate to enhance stability and flame retardancy and reduce shrinkage

FEATURES & BENEFITS

- + Increases tensile and flexural strength and improves heat and chemical resistance in insulation boards
- + Reduces CO₂ footprint of precast concrete when used as an ingredient in alternative cement binder
- + Low (M) to high (F) aspect ratio

APPLICATIONS

- + Insulation board
- + Concrete / fiber cement board
- + Concrete

SAFER

IMPROVE THE FLAME RETARDANCY OF FIBER CEMENT BOARDS WITH **HIFUSE™ ATH**

FUNCTIONALITY

- + Alumina trihydrate for increased flame retardancy and water retention

FEATURES & BENEFITS

- + Improves building safety through increased flame retardancy and smoke suppression
- + Delays release of water in cement-based autoclaved products
- + White colour

APPLICATIONS

- + Insulation board
- + Concrete / fiber cement board
- + Concrete
- + Autoclaved cement products



THE HIFUSE™ RANGE

HIFUSE™ ATH

HIFUSE™ LITHIUM CARBONATE

HIFUSE™ SILICA FUME

HIFUSE™ WOLLASTONITE



FUNCTIONALITY

+ Alumina trihydrate for increased flame retardancy and water retention

+ Free-floating powder to accelerate setting times in calcium aluminate cementitious mixtures

+ Highly reactive pozzolan material to improve strength (compressive & bond) and durability in concrete

+ Calcium inosilicate to enhance stability and flame retardancy and reduce shrinkage



FEATURES & BENEFITS

+ Improves building safety through increased flame retardancy and smoke suppression

+ Delays release of water in cement-based autoclaved products

+ White colour

+ Cement sets up to 14 times faster

+ Enables transition from CO₂ intensive Portland cement without compromising hardening

+ Reduces / prevents alkali silica reactions in concrete

+ White colour

+ Creates stronger, more durable concrete

+ Less corrosion thanks to decreased permeability of chloride

+ Reduces bleeding

+ White / grey colour

+ Increases tensile and flexural strength and improves heat and chemical resistance in insulation boards

+ Reduces CO₂ footprint of precast concrete when used as an ingredient in alternative cement binder

+ Low (M) to high (F) aspect ratio



APPLICATIONS

+ Insulation board

+ Concrete / fiber cement board

+ Concrete

+ Autoclaved cement products

+ Dry mix mortars

+ Concrete

+ Concrete

+ Dry mix mortars

+ Insulation board

+ Concrete / fiber cement board

+ Insulation board

+ Concrete / fiber cement board

+ Concrete



YOUR PARTNER IN CONSTRUCTION

WHEN YOU NEED SPECIALIST
MATERIALS THAT DELIVER
CONSISTENT RESULTS IN THE
TOUGHEST CONDITIONS,
YOU CAN DEPEND ON US.

GLOBAL PRESENCE – LOCAL MINDSET

With operations in 31 countries, we deliver local solutions to customers worldwide. We leverage our extensive network of quarries, processing plants and warehouses to deliver the best material solutions to your door.

CONSISTENT QUALITY

As well as the natural purity of our mineral-based materials, rigorous quality control at each stage of processing and delivery ensures that our products meet your exact specifications to deliver optimal performance every time.

SPECIALIST SUPPORT

Our dedicated construction team have extensive industry experience, enabling us to provide you with the highest standards of technical support and customer care via our network of laboratories and sales offices.

SUSTAINABLE SOLUTIONS

Founded in 1872 and still privately owned, we always take a long-term view. We invest for the future to secure a long-term supply of high-quality materials, always ensuring that economic growth is balanced with environmental stewardship and social responsibility.



FIND OUT MORE

PLEASE GET IN TOUCH TO DISCUSS YOUR
REQUIREMENTS AND LEARN MORE ABOUT
OUR HIFUSE™ AND OTHER RANGES OF
CONSTRUCTION MATERIALS.

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