

PROTECTIVE COATINGS

solutions that cover your needs

STEELGUARD[®]

Proven fire protection for civil building

Steelguard

The superior solution for cellulosic fire protection

PPG Protective & Marine Coatings

Unrivalled performance and protection

*PPG Protective & Marine Coatings (PMC) is a
world leader in protective and marine coatings.*

*We create proven products that protect customers'
assets in some of the world's most demanding
markets including:*

- *Civil building*
- *Infrastructure*
- *Offshore*
- *Petrochemical*
- *Power*
- *Rail*
- *Marine new-build*
- *Marine dry dock*
- *Marine sea stock*

*Our coatings are unrivalled in performance and
protection among asset owners, contractors,
fabricators and applicators across the globe,
helping customers meet the challenges they
face today, and tomorrow.*

*Experience, innovation and integrity – that's
what makes PMC the ideal coatings partner.*

Exposed steel structures enable existing and effective design to be used in all areas of construction such as factories, sports halls, hospital and schools. But if a fire strikes, the potential for disaster is frightening. Within minutes unprotected steel can reach the critical temperature that causes it to lose stability and collapse.

The value of Steelguard intumescent coatings is that they provide the vital extra time to help people escape and also allow fire fighters to save the building itself.

PMC is certified to ISO 9001, recognized around the world as sign of quality. Steelguard intumescent coatings meet international standards in fire protection, with each product undergoing a rigorous, exhaustive testing process. In addition, every production batch is checked against its specifications – so you can be assured of consistent quality and accurate fire protection levels at all times.

Benefits of the Steelguard range:

- **Tested to various standards and certified to local requirements**
- **Cost-effective**
- **Of-site versions available**
- **Water-borne coatings for on-site application**
- **Engineering support**
- **One-stop-shop: fire and corrosion protection from PMC**



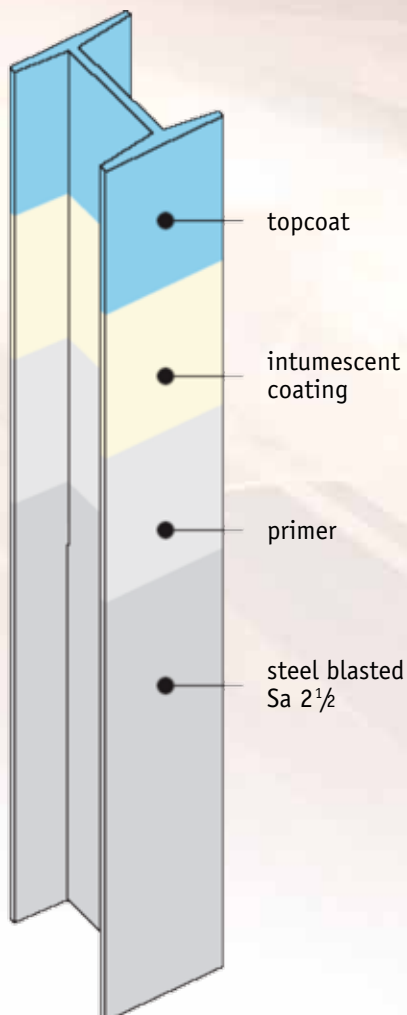
Steelguard applications

Intumescent coatings work by expanding at high temperatures, from a very thin, lightweight coating into a thick, foam-like layer that insulates the steel from the fire and maintains its stability.

The Steelguard intumescent range includes coatings specifically designed for on-site use. These water-borne coatings comply with the most stringent environmental regulations, enabling applications to take place in working environments – even while people are using the building. In combination with suitable PPG topcoats, the range also provides high levels of corrosion protection against a wide variety of atmospheric conditions.

Steelguard *the fire protection solution for Civil building projects*

- Airports
- Train stations
- Hotels
- Sports stadia
- Concert halls
- School buildings
- Hospitals
- Shopping malls
- Warehouses



STEELGUARD®

The Steelguard solvent-borne range



Steelguard FM549

Cost-effective, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 120 minutes from cellulosic fires
- up to 1500 μm dft in a single coat
- suitable for C1 and C2 internal environments
- tested to national and international standards such as ENV 13381-4 and BS 476, and certified with various national requirements

Steelguard FM550

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 120 minutes from cellulosic fires
- up to 1500 μm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to national and international standards such as BS 476, ENV 13381-4, UL 263, and certified with various national requirements

Steelguard FM560

Fast drying, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 120 minutes from cellulosic fires
- up to 1000 μm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to national and international standards such as BS 476, ENV 13381-4, and certified with various national requirements

Steelguard 551

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 60 minutes from cellulosic fires
- up to 1500 μm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to BS 476 and certified with various national requirements

Steelguard 561

Fast drying, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 60 minutes from cellulosic fires
- up to 1000 μm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to BS 476 and NT Fire 021, and certified with various national requirements



Steelguard 552

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 60 minutes from cellulosic fires
- up to 1500 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to national and international standards such as ENV 13381-4 and BS 476, and certified with various national requirements

Steelguard 562

Fast drying, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 60 minutes from cellulosic fires
- up to 1000 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to national and international standards such as ENV 13381-4 and BS 476, and certified with various national requirements

Steelguard 553

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 90 minutes from cellulosic fires
- up to 1500 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to BS 476 and certified with various national requirements

Steelguard 563

Fast drying, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 90 minutes from cellulosic fires
- up to 1000 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to BS 476 and certified with various national requirements

Steelguard 554

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 120 minutes from cellulosic fires
- up to 1500 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested to BS 476 and certified with various national requirements

Steelguard 564

Fast drying, one-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 120 minutes from cellulosic fires
- up to 1000 µm dft in a single coat
- suitable for C1 to C4 internal and external environments
- weather resistant up to 12 months without topcoat
- tested BS 476 and certified with various national requirements



The Steelguard water-borne range

Steelguard 581

One-component, solvent-borne intumescent coating for off-site and on-site application

- provides protection up to 60 minutes from cellulosic fires
- up to 700 μm dft in a single coat
- suitable for C1 and C2 internal environments
- tested to BS 476 and certified with UK national requirements

Steelguard FM585

One-component, water-borne intumescent coating for on-site application

- provides protection up to 60 minutes from cellulosic fires
- 60 minutes' SCI assessment of beams with circular web openings
- up to 700 μm dft in a single coat
- suitable for C1 and C2 internal environments
- tested to national and international standards such as BS 476, NT Fire 021, ENV 13381-4, and certified with various national requirements



The Steelguard Range

Steelguard FM585

- water-borne intumescent coating for on-site application
- fire protection up to 60 minutes

Steelguard 581

- water-borne intumescent coating for on-site application
- fire protection up to 60 minutes including beams with circular web openings

Steelguard 564

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 120 minutes

Steelguard 563

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 90 minutes

Steelguard 562

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 60 minutes

Steelguard 561

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 60 minutes

Steelguard FM560

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 120 minutes

Steelguard 554

- solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 120 minutes

Steelguard 553

- solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 90 minutes

Steelguard 552

- solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 60 minutes

Steelguard 551

- solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 60 minutes

Steelguard FM550

- fast-drying, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 120 minutes

Steelguard FM549

- cost-effective, solvent-borne intumescent coating for on-site and off-site application
- fire protection up to 120 minutes

PPG Protective & Marine Coatings

PPG Protective & Marine Coatings brings unrivalled levels of innovation, experience and expertise in coatings technology, supported through our expanding global supply and distributors' network in over 80 countries.

We have in-depth knowledge of the industry, our customers' day-to-day challenges and the environmental, health and safety standards in the marketplace. By working in close partnership with customers, our technical service representatives are able to offer an unsurpassed level of market knowledge. This enables us to respond quickly with efficient, economic solutions in all environments and industries.

The result – performance-enhancing coating systems that can be applied more easily, resist the elements more effectively, and deliver maximum performance with minimum downtime.

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