

Interchar 212®

High Performance Technology

Ideally suited to iconic structures, Interchar 212 is designed to provide protection during catastrophic events:

- Developed from proven offshore fire protection
- Designed to remain in place and protect against fires after a blast
- Provides protection in both cellulosic and hydrocarbon fire scenarios

Product Characteristics

The table below provides an overview of some of the detailed testing that has been undertaken on the product.

Property	Test Type	Results	Observations
Mechanical Properties	Hardness (ASTM D2240)	>55 Shore D	Resistant to handling damage during construction. Provides for long term protection, with no risk of detachment or premature breakdown.
	Adhesion (ASTM 4624)	>8MPa (>1160psi)	
	Compressive Strength (ASTM D695)	>10MPa (>1450psi)	
	Explosion (4 bar over pressure test)	No detachment, no cracking	
	Tensile Strength (ASTM D638)	>10MPa (>1450psi)	
Chemical Resistance (ISO 2812-1)	Ethanol (3 months)	No defects	A wide range of resistance demonstrates performance against materials that it could come into accidental contact with.
	5% Potassium Hydroxide (3 months)	No defects	
	5% Sulphuric Acid (3 months)	No defects	
	Unleaded Gasoline (3 months)	No defects	
	10% Ammonium Solution (3 months)	No defects	
Water uptake (ISO 2812-2)	Immersed in sea water (6 months)	<1% weight uptake	Demonstrates the excellent weatherability, and corrosion resistance of Interchar 212.

Further details and test results are available from International Protective Coatings.

Approvals

Approval *	Lead Country
BS 476 parts 20-22:1987	UK
GOST	Russia
UL 263 (exterior listed)** UL 1709 Design XR627	USA
AS1530.4 (1997)	Australia
GB14907	China

* Interchar 212 is undergoing continual testing and approvals.
Please contact International Protective Coatings for an up to date listing.
** Exterior listing requires Interthane 990 topcoat.



It is important to know that the products supplied and installed will provide the same level of performance as those tested:

- Approved to Certifire
- Approved to UL Follow Up



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G6/3RD_EFP_UK
05/06



Epoxy Fire Protection for Infrastructure

an evolution in fire protection



epoxy fire protection

Epoxy fire protection has offered the offshore oil and gas market a combination of superior fire and corrosion protection for more than 30 years. Building on this heritage, Chartek® and, more recently Interchar® epoxy fire protection, are making significant contributions to the safety of iconic structures.

Chartek®

Extensively tested and approved to the most demanding of offshore standards, for the fire protection of steel in hydrocarbon fires.

Interchar® 212

Recently developed utilising the same technology as Chartek, Interchar 212 benefits from the ability to provide fire protection for up to 3 hours for onshore infrastructure projects.

a freedom of expression



New York Times Tower

- The New York Times Tower utilises epoxy fire protection from International Protective Coatings.
- Fast and efficient installation characteristics
 - Tough and durable, suitable for exterior exposure
 - Proven high rise protection against a range of fire scenarios
 - Allows freedom of expression to utilise exposed steelwork



Audi Dealership

- International Protective Coatings epoxy fire protection was used in castings for an Audi Showroom in order to deliver a high end cosmetic finish.
- Used in castings around the steel structure
 - Strong mechanical properties protect against damage
 - Delivered a smooth surface with brilliant aesthetic appeal



Heathrow Terminal 5

- The new control tower at Heathrow Terminal 5, London, utilises epoxy fire protection from International Protective Coatings for bespoke panels fitted around the stairwell shaft.
- Protection against the threat of a hydrocarbon fire scenario
 - Emergency escape route protection
 - Protection to critical electrical equipment which runs the length of the tower

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