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The Rise Of Epoxy Intumescent

Here's the problem: you've got one of the best performing fire-protection products ever developed, but when it comes to the finish, the sheer aesthetics of the thing, let's just say it isn't going to light many fires.
The product ? Epoxy intumescent.
The solution ? Complete re-think in terms of application, sourcing, supply and installation.
The result ? The same unbelievable levels of fire protection previously afforded to industrial premises, now easily available to the construction industry.
Pretty big claim.
Read on; let's start with the history.

one of the safest, hardest working, impact resistant fire protection systems on the planet.

Epoxy Intumescent was first developed twenty-five years ago for the offshore industry. As an effective response toward the extraordinary levels of extreme fire protection needed by offshore rigs and appliances, epoxy intumescent may not have looked the business but it certainly did the business. Able to withstand chemical attack and working in temperatures as low as minus 50 Celsius, epoxy intumescent gained a well-deserved reputation as one of the safest, hardest working, impact resistant fire protection systems on the planet. Insiders are not surprised at its ability to withstand fuel blow-out and hydrocarbon fires for anything up to four hours.

Think about it – two hundred and forty minutes worth of reliable protection in the roaring face of one of the most volatile fires on earth. All well and good for the offshore industry, but still the problem remained – how to take epoxy intumescent into the aesthetically demanding construction industry.

Casting was the only solution, the only method of ensuring the high standard of enduring, eye-catching finish necessary for decorative areas. However, with the solution of casting came an increase in the cost of the system in comparison to the cost of the epoxy intumescent itself.

Any astute businessman will gladly tell you that if you have a more expensive but superior product over the competition, then quality, not quantity will out. Hence the new role of cast epoxy intumescent as the most effective fire protection system available to be specified on key niche market areas within today's construction industry.

Put simply, cast epoxy intumescent is the only fire protection system to tackle specific properties that other, more generalised systems can't match. And who tackles these problems? Step forward Interact Fire Solutions with its Interactive Columns, made from epoxy intumescent and cast off site to the size of the steel columns. Interact offers architects and specifiers not only a range of exclusive niche market products but also a wealth of expertise and subcontractor support. Interact supports the subcontractor throughout the whole process from estimating to the installation on site through its quality management system. These different independently linked procedures all compliment each other as the perfect package creating a synergy which ensures the best combination of product aesthetics and efficacy.

Presently Interact is able to offer clients superbly cast feature columns complete with seamless jointing, minimal increase in the column size and offering up to four hours fire protection.

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To look at the cast application of the product, it becomes hard to remember it as the same product first developed for off-shore some twenty-five years ago. By casting the material, Interact seem to have cast off all the ugly connotations of the material's previous existence.

Interact Fire Solutions has turned epoxy intumescent from fire protection's ugly duckling into the present day's white swan, in an exhaustive process involving eighteen months intensive research and development. Working exclusively alongside the manufacturer Interact has ensured that the generic base material can now be confidently supplied in any of the four major epoxy manufacturers' products – Nullifire, International, Leigh's, and Ameron.

And it doesn't stop there. Interact has all the necessary qualifications, support and expertise to satisfy the most demanding of clients, including the provision of on-site training to operatives, dedicated customer care and impressive technical credentials. Perhaps it took a niche company to fully identify the niche potential of this incredible material. If it did, Interact is the proof.

So – what's the track record? Interact Fire Solutions has forged a lead on this special product. Following the launch of Interactive Columns twelve months ago the company secured an impressive order book for epoxy castings. To date Interact Fire Solutions has secured orders for Interactive Columns to the Glasgow Harbour Development, Elim Church in Bristol, Edinburgh Airport and the prestigious Bishops Square Development at Spitalfields in London.

Interact is a member of the ASFP (Association of Specialist Fire Protection), RIBA, and is an approved RIBA CPD Network Provider.

To sum up – take a reliable, internationally recognised offshore product, then apply that same degree of reliability at a competitive price into today's ever-demanding construction market. If it sounds daunting don't worry - Interact has the solution in a specifically tailored, total support package for cast epoxy intumescent fire protection.

Superbly cast columns complete with seamless jointing