

With offices in the UK, Dubai and Hong Kong and manufacturing plants in Europe and Asia Pacific complying with the highest standards of ISO 9001 and ISO 9014 respectively, Phoenix can provide you with the expertise necessary to write appropriate specifications at design stage that will be followed throughout the project until the products have been applied successfully at site through our network of approved contractors. In addition, Phoenix will provide support at site to clients through our Contract Support Team.



We look forward to working with you and your team on your next project.

SETTING NEW STANDARDS IN STRUCTURAL FIRE PROTECTION

U.K.

U.A.E.

HONG KONG

INDIA

www.phoenixasia.com.hk

phoenix
fire protection 

WATER-BASED
INTUMESCENT
COATING
SYSTEMS

WELCOME TO OUR WORLD OF WATER-BASED

The use of water-based intumescent coatings for structural steelwork is not something new. Since the early 90's when they were first introduced to the UK market, the technology has progressed rapidly to the extent that their use far exceeds that of solvent based products for protection of structural steelwork from fire.

The main benefits of being able to provide a water-based system does not just reflect that of benefits to the environment, the user and the overall project itself, but also can provide significant savings commercially in terms of both time and money.

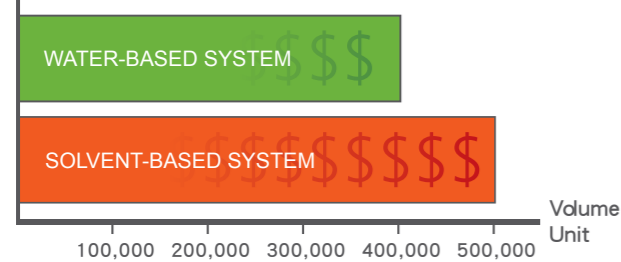
Examples of these savings, features and benefits in general are shown below:

WHY WATER-BASED?

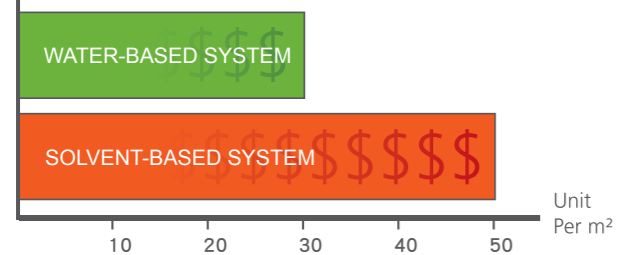
Water-Based Vs Solvent-Based

Fire rating: 120 minutes
Section type: I-Section

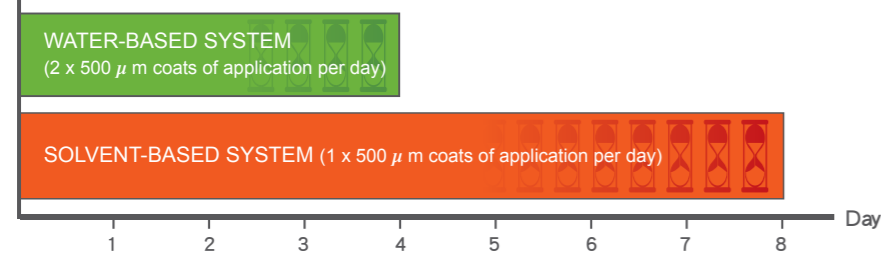
MATERIAL CONSUMPTION



APPLICATION COST



APPLICATION TIME (Typical Illustration: Total DFT to be achieved = 4,000 µm)



- Environmentally friendly
- Low VOC (Volatile Organic Compounds)
- User friendly
- No solvent fumes
- Odourless
- No special breathing equipment needed during application
- No special need for ventilation on site during application
- Non-toxic and non-harmful with physical contact
- Easy storage and long shelf life
- Non-flammable
- Lower dry film thickness required
- Lower material costs
- Less application time (faster drying time)
- Lower application costs
- Certified Dry Film Thicknesses covering wider range of steel sections

TESTING, APPROVALS & THIRD PARTY CERTIFICATION

All Phoenix basecoats have been independently tested, assessed and approved to BS 476: Part 20 & Part 21 at NATA approved laboratories and assessed by the world's leading consultants such as WFRC, BRE and IFC Group.

Our manufacturing plants are also inspected by such laboratories and consultants on a regular basis together with fire test data that we provide to customers as part of our Third Party Certification which has been approved for all our products.



SOME PROJECTS...



Ricoh Arena (U.K.)



Route 8 Lai Chi Kok Viaducts – noise barriers (HKSAR)



Kota Kinabalu International Airport, Sabah, (Malaysia)



Tomorrow Land, Disneyland (HKSAR)