

# Chartek 8E

## Protecting lives, protecting assets

Boron-free, Chartek® 8E is an epoxy intumescent designed to protect steel against the effects of pool and jet fires.

Chartek 8E delivers high temperature tolerant, low applied weight solutions both meshed and mesh-free.

- A 100% solids, solvent free epoxy intumescent tested in accordance with NORSOK M-501 System 5A
- Boron-free
- Proven in-service mesh-free intumescent
- Certified for jet fires to ISO22899-1
- Single coat pool fire application solutions
- Can be used on process equipment with continuous operating temperatures up to 248°F (120°C)
- Can withstand temperature excursions to 392°F (200°C) - ideal for use in flare radiation zones

# Boron-free protection in the harshest environments

Built on over 40 years of proven track record, Chartek 8E is extremely efficient.

Designed to meet the needs of the offshore oil and gas industry, Chartek 8E delivers lower cost, faster installation and reduced weight.



## Visionary

Chartek 8E is based on Chartek 8, the pioneer in self reinforced technology first launched in 2005.

Boron-free, Chartek 8E is environmentally friendly providing peace of mind both now and in the future.

Chartek 8E has 10 years of proven in-service performance with and without mesh reinforcement. It further demonstrates AkzoNobel's sustainability policy of offering customers more choice ahead of changes in legislation.

## Enhanced

Installed quickly and easily by means of airless spray, trowel or casting techniques Chartek 8E provides both pool fire and jet fire resistance.

Chartek 8E eliminates the need for mesh reinforcement in most pool fire designs and can be applied in a single coat improving productivity and efficiency.

Optimized to provide 60 minutes resistance to the effects of pool fires without the use of mesh Chartek 8E can also provide 60-minute jet fire resistance through the use of mesh reinforcement.

And a low applied thickness for typical pool and jet fires means Chartek 8E's reduced applied weight allows greater flexibility in structural design.

## Versatile

Chartek 8E has a wide range of end uses from structures and divisions to vessels, skirts, pipework and flare booms.

With tolerance to high continuous steel surface operating temperatures of 248°F (120°C) and short bursts of radiant heat exposure to 392°F (200°C), Chartek 8E removes the need for syntactic epoxy insulation.

Finally, Chartek 8E may be overcoated with a large range of topcoats from the International® range of protective coatings from AkzoNobel.

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