

Chartek bolt caps

Hydrocarbon fire protection for bolted connections

International®, a protective coatings brand of AkzoNobel, has been producing innovative passive fire protection solutions for over forty years. Our latest innovation focuses on high performance fire protection specific to the, often overlooked, blackout areas.

Long considered a weak link in the fire resistant design of steel structures, bolted connections can now be protected using Chartek® Bolt Caps. They provide an easy specified solution to critical areas of a facility while incorporating a cost effective means of inspection.

- One uniform thickness, manufactured under factory controlled conditions
- Up to two hour hydrocarbon fire protection in accordance with UL1709
- Up to two hour jet fire protection in accordance with ISO 22899-1
- Up to three hour cellulosic fire protection in accordance with UL263/ASTM E119



Chartek Bolt Caps represent the latest innovation in fire protection and are supported by over 40 years industry experience

Made of a patented reinforced polymeric cap, Chartek® Bolt Caps are held in place with radially oriented stainless steel gripping clips. Fire durability and environmental resistance is maintained following exposure to NORSOK M501 Rev. 6 conditions.

Easy to install

The Chartek® Bolt Caps are snapped into place and remain mechanically locked to the substrate during a fire. No specialized training or equipment is required to install the bolt caps. The fire protection ratings on the bolted connection points are independent of the surrounding passive fire protection materials.

The challenge

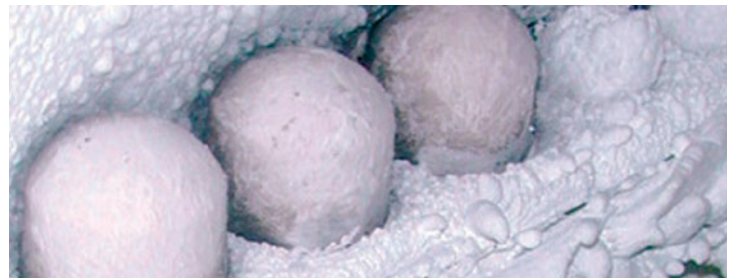


- Inconsistent quality and variability in thickness
- Time consuming application
- Costly removal to inspect and tighten connections

The solution



- One single pre-manufactured thickness with tight tolerance
- Approximately 30-40% installation savings over conventional fireproofing application
- Easily removed for inspection and tightening bolts



Chartek® Bolt Caps retain material integrity both during and after the effects of fire. Therefore protecting the underlying bolt connections against embrittlement, a result of rapid quenching from firefighters, hose stream.

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

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