

CLOCK SPRING®

Application Note

Fire resistance of Clock Spring®

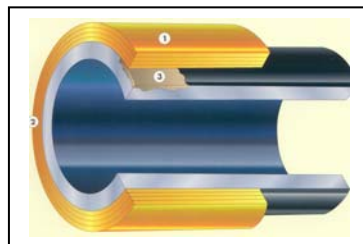
Fire Resistance

There are times when a Clock Spring® repair will be in a location where the fire resistance of the repair must be considered.

Clock Spring® has no approved fire rating. In a simple test conducted in 1999 it was shown that when the composite coil was exposed to a direct flame from a blowtorch the composite charred but did not support continued combustion. The adhesive did support combustion with a minimal flame.

Part of the installation procedure for Clock Spring® is to over-coat the repair with a suitable protective coating. In locations where the flammability of the material is of concern, Clock Spring recommends that the repair be over-coated with an intumescent material. These coatings are applied externally to the structure being protected and, under heat, expand and insulate to provide fire resistance. The degree of protection can be varied by the thickness of the coating.

One company providing these coatings is PPG Industries.
(<http://www.ppg.com/ppgaf/pittchar/lv.htm>).



Simply the smartest pipeline repair decision you can make!

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