

District Energy Network chooses Fibrelite's Composite Steam Manhole Covers

A leading owner/operator of district energy networks in the US has chosen Fibrelite's composite steam covers to replace cast iron manhole covers in the sidewalk.

Cast iron steam covers will conduct nearly all of the heat to the surface of the manhole cover resulting in potentially dangerous conditions.

District energy networks provide customers located within a central city district with heating and cooling services. Steam lines used to provide heat to apartments, retail stores and office buildings can give off excess heat and steam thereby creating a hot condition below a manhole cover located above the steam line.

How to Eliminate the Hazards - Install Fibrelite Covers!

The hazards of hot manhole covers can be eliminated with Fibrelite's line of composite steam manhole covers. The thermal gradient properties of Fibrelite's composite covers significantly reduce the heat transfer from a steam vault to the surface of the cover. Typically, the surface temperature of the cover will be slightly above the ambient temperature at street level even when subjected to extremely hot temperatures on the underside of the cover.

Fibrelite covers have been third-party tested to handle loads exceeding DOT H20 load ratings even when subjected to temperatures of up to 400°F.



Hot manhole cover on sidewalk poses a threat to pedestrians



Fibrelite F95 composite cover installed in frame



Fibrelite composite frame installed in sidewalk



Fibrelite F95 composite cover installed in frame

For more information on Fibrelite's product range please contact us:

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