

SPI Presents **StoneQuench™ LHD®** Fire Protection Grating For Oil Containment Concrete Pits and Metallic Tanks



StoneQuench™ LHD® Grating provides fire quenching capabilities WITHOUT the use of STONE and in many cases replaces expensive deluge systems. The **StoneQuench™ LHD®** or Low-Hole-Density restricts the air flow into the containment pit extinguishing an oil fire. In the last 25 years with hundreds of installations fires are extinguished in Substations throughout Europe.

NOW SPI INTRODUCES THIS TECHNOLOGY TO NORTH AMERICA

Conventional Steel grating has been the standard for years but gives no fire resistance or dirt and debris control. Now SPI introduces **StoneQuench™ LHD®** Grating (LOW-HOLE-DENSITY) new possibilities for substations. In new construction the supports for **StoneQuench™ LHD®** can also be engineered and supplied with the LHD® Grating.

BENEFITS of StoneQuench™ LHD®

- **Low Maintenance** • **Extinguish Oil Fires** • **High Slip Resistance** • **Easy Installation** • **Easy to replace**
- **Durability** • **Excellent Strength to weight ratio** • **Environmental friendly** • **Galvanized Steel**



Support system designed for Concrete Containment Pit and **StoneQuench™ LHD®** Grating.



StoneQuench™ LHD® gratings are easily installed on the supports providing a dirt free - Fire Extinguishing System.

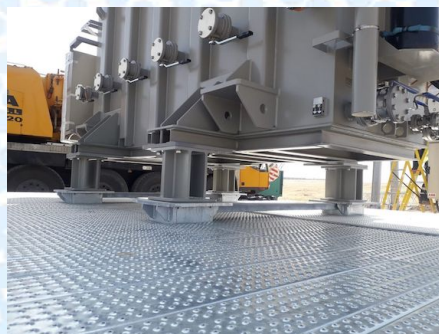


Access hatches are installed to service drainage areas below. Hatches are easily opened for access to change dirt filters or Petro-Pipes that provide water drainage and full oil containment. The **StoneQuench™ LHD®** blocks out 90% of UV preventing the growth of algae and the low density holes prevent leaves, blowing dirt and debris from entering the containment below. This benefit alone keeps the containment areas cleaner requiring less maintenance for the water filtering drainage system.



StoneQuench™ LHD® fire extinguishing grating system has been used in Europe for over 20 years in hundreds of applications in Substations. The uniqueness of the LHD® low-density-holes has made substations safer in the event of a fire, the design allows for the extinguishing of a catastrophic fire in minutes to limit the damage.

The design is almost a maintenance free environment preventing leaves, dirt and debris from entering the containment pit.



StoneQuench™ LHD® gratings is also used in metal containment tanks. These tanks can replace concrete pits and reduces time in getting the transformer up and going. The tanks are manufactures to engineering specifications with all the supports needed for even large power transformers. They are shipped directly to the site and can be assembled together in less than 3 hours. The transformer sits on elephant feet that are designed for the weight of the transformer and oil. After the tanks are put together and the transformer is positioned on the supports the **StoneQuench™ LHD®** gradings are installed.