Bonding an FRP in Winter Conditions

PROBLEM
A client encountered a unique challenge at a refinery: they needed to remove an old pipe support which was to the pipe and repair the affected area. The repair had to be completed under cold ambient conditions (below 32F) while adhering to strict refinery safety and operational restrictions.

SUBSTRATE
Steel

PRODUCTS USED
Denso Protal 7125

SOLUTION
Once the pipe support was removed, the area was cleaned and prepared for the application of Denso Protal 7125. This coating was chosen for its excellent performance in cold weather and its unique ability to act as an adhesive for bonding FRP pads to steel surfaces.

A generous coat was applied to the pipe, the FRP pad was positioned in place, and then additional Denso Protal 7125 was applied over the pad to ensure full encapsulation and adhesion.

The client could not have been happier with the end result.