

# Fluid Applied Thermal Insulation

CIC Heat Block applied to the interior of a Metal Warehouse for Thermal Insulation.



**ACS CIC 4.0 was applied to the interior of a Metal Warehouse to block solar heat loading and thermal heat transfer.**

**Product:** ACS CIC 4.0

**Date:** June 2019

**Goals:** Reduce Solar Heat Load, Reduce Thermal Heat Transfer, Lower The Interior Temperature Of The Warehouse.

## Reduce Heat Load caused by Solar Radiation

This is a metal building that is being used as a warehouse. The building gets uncomfortably warm when the sun heats up the metal and radiates into the building. During a remodel a 40 mil application of ACS CIC 4.0 was installed. The first coat was a tack coat of 12 mil, the second coat was 20 mil and the final coat will be 8 to 10 mil. 40 mil is 1 mm or about the thickness of a quarter.



ACS CIC 4.0 was applied with a Graco Gmax II 5900 Gas Airless Paint Sprayer using a 624 tip for the first 2 coats and 621 tip for the final coat. The metal beams were sprayed to create a continuous membrane and prevent thermal bridging. It was easily sprayed in irregular areas.