

HVAC EQUIPMENT PUSHES THE LIMITS LOCTITE® EXCEEDS THE LIMITS



SITUATION

A commercial HVAC manufacturer experienced field failures of their control system.

The root cause was determined to be failure of the sealant used to seal the control system enclosure. The high temperature silicone sealant did not withstand real-world rigorous thermal cycling and environmental exposure.

LOCTITE SOLUTION

The LOCTITE® Specialist reviewed the manufacturer's needs and recommended LOCTITE® SI 596™ high temperature silicone sealant. The HVAC engineers asked why they should expect LOCTITE® SI 596™ to perform better than the current high temperature silicone sealant. The LOCTITE® Specialist explained that not all high temperature red silicone sealants deliver the same performance in demanding applications. The quality of the ingredients and formula of the sealant make a difference, just like the quality of the mechanical components in their HVAC systems make a difference in performance and durability.

BENEFIT

LOCTITE® SI 596™ resolved the control system field failures. In addition, the manufacturer achieved assembly process time savings. Operators use pneumatic applicators to apply sealant to the control system. They found LOCTITE® SI 596™ faster to dispense and fill the gaps, up to 0.02 inches. LOCTITE® technical expertise and product quality delivered important improvements and savings for this company.



PRODUCT	SIZE	IDH
LOCTITE® SI 596™	190 ml	2700556
	300 ml	198817