

Aerosol sealant system, that uses aerosol mist to seal the leaks from inside the ducts system are recommended for its effectiveness and easiness in sealing the ducts, especially for leakages observed in inaccessible areas.

Test report should include test pressure, leakage class, technical parameters of testing device and all the observation and rectification measures done for the duct segments and systems connection.

COMPLIANCE DOCUMENTATION

Table 502.13(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	1. DM BLDG Al Sa'fat declaration.
Construction Completion Application	1. Duct air leakage test report including the summary of corrective actions implemented based on the test findings.
After Completion	Not applicable.

REFERENCES AND ADDITIONAL INFORMATION

Sheet Metal and Air Conditioning Contractors' National Association (SMACNA). (2012). HVAC Air Duct Leakage Test Manual.

Building Engineering Services Association. (2016). DSP DW/144 Specification for sheet metal ductwork.

Building Engineering Services Association. (2013). DSP DW/143 Guide to good practice ductwork leakage testing.