

## Specification Text MEZ-Aeroseal

Patented method for internal sealing of air ducts in buildings (commercial/domestic)

Pos.	Specification	amount	unit	Single price	Total price
1.	<b>Preparation sealing of air-ducts</b>				
1.1.	<p>Inspection of the air-ducts. Stains (e.g. dust) are tolerated up to max. 3mm. If it shows more stains, the air-ducts have to be cleaned by a skilled labour before installing the sealing.</p> <p>Openings /leaks &gt; 1,5 cm gap width have to be closed before sealing operation.</p>	h.			
1.2.	<p>Production of injection openings in the air ducts to be sealed according to planning and calculation.</p> <p>Close the inlet and exhaust air openings airtight so that no aerosol can escape uncontrollably. If necessary, cover sensitive surfaces, carpets, etc. or separate rooms by appropriate measures airtight.</p> <p>Fire dampers must be opened, measuring points / measuring crosses / smoke detectors etc. must be removed before the sealing process, ventilation devices must be disconnected from the duct system.</p> <p>Fire alarm systems must be switched off.</p>	h.			
2.	<b>Sealing of the air conduction</b>				
2.1.	<p>Internal sealing system for air duct in buildings (factories/companies) with MEZ-AEROSEAL®. The air conductions are sealed from the inside by injecting the <i>aerosolized</i> sealant AEROSEAL®. AEROSEAL® settles only on leaky areas, not on the duct walls and permanently seals these areas tight due to its long-term flexibility. Execution of the sealing process only by qualified personnel trained by MEZ-AEROSEAL® and licensed companies.</p> <p>Suitable for air ducts made of metal, concrete, Promat®, etc. In case of greasy exhaust air and exhaust air from industrial processes, contact the manufacturer.</p> <p>This sealing process includes an inspection before starting the sealing itself and also an inspection right after the process.</p> <p>The leakage rate is documented by certificate before and after the sealing process.</p>				

	<p>The sealant is dried and ready for operation two hours after the injection.</p> <p>Sealant AEROSEAL<sup>®</sup> is a vinyl acetate-polymer, certified with UL 1381 (fire behaviour, hygiene, durability), tested and approved with VDI 6022. The data sheet is available.</p> <p>Mixture (container) in a canister with 3,79 L.</p> <p>Please follow the processing details.</p> <p>The machine, as well as the tools, must be cleaned immediately after the sealing process.</p> <p>1. Duct section / supply air  Surface air ducts: _____ m<sup>2</sup>  Operating pressure: _____ pa  Flow rate: _____ l/s  tightness class : _____</p> <p>2. Duct section / return air  Surface air ducts: _____ m<sup>2</sup>  Operating pressure: _____ pa  Flow rate: _____ l/s  tightness class : _____</p> <p>System supplier:  MEZ-TECHNIK GmbH  Bierwiesenstraße 7  DE-72770 Reutlingen  www.mez-technik.de</p> <p>The air duct is supposed to gain the sealing class gem. according to 1507, EN 12237 _____.</p>				
3.	<b>Removal of the air duct closings and openings</b>	piece/kpl			
3.1.	<p>After sealing, the air ducts are restored to their original state. Openings for the injections are closed. Remove covers from carpeting, etc.</p> <p>Handover and inspection and possibly adjustment of the system acc. EN12599, EUROVENT 2/2, DW144.</p>	h.			

