

# AON SPRINKLER CERTIFICATION



## Aon New Zealand

Aon Sprinkler Certification  
Aon Building, 1<sup>st</sup> Floor,  
4 Fred Thomas Drive,  
Takapuna, North Shore City  
Telephone: 09 – 486 9761  
Fax: 09 – 486 0112

<b>Aon Sprinkler Certification Technical Note</b>		
<b>Note Number:</b> <b>17-32</b>	<b>Issue: 1</b>	<b>Date: 13/02/2017</b>
<b>Subject</b>	<b>Mechanical couplings</b>	
Notice: Aon Sprinkler Certification Technical Notes provide guidance notes which may be used in certification of sprinkler installations by Aon New Zealand. If sprinkler installations are being certified by any other Sprinkler System Certifier, these Technical Notes may not apply.		

With reference to NZS4541:2013 clause 403.1.4, mechanical couplings when galvanised for use in external or corrosive environments must be fitted with a galvanised nut and bolt. It is imperative that the nut and bolt are the correct material specification and thread type to ensure the integrity of the joint. The galvanised nut and bolt are to be supplied by the Original Equipment Manufacturer.

Where a substandard nut and bolt have been installed on a coupling it may become evident by the coupling opening up as the threads fail. We suggest that contractors are watchful of such situations and not just tighten the bolts further. In the worst cases there is the potential for the nut and bolt to completely fail and the coupling halves to part allowing the release of water into the building.

When replacement of the nut and bolt is required, the contractor must obtain the correct nut and bolt from the New Zealand distributor of the mechanical coupling.

Stephen Ridder  
Fire Protection Consultant

# AON SPRINKLER CERTIFICATION



## **Aon New Zealand**

Aon Sprinkler Certification  
Aon Building, 1<sup>st</sup> Floor,  
4 Fred Thomas Drive,  
Takapuna, North Shore City  
Telephone: 09 – 486 9761  
Fax: 09 – 486 0112

