

AON SPRINKLER CERTIFICATION



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

Aon Sprinkler Certification Technical Note		
Note Number: 09-04	Issue: 1	Date: 17 August 2009
Subject	Water Storage Tanks – Seismic Design	
Notice: Aon Sprinkler Certification Technical Notes provide guidance notes which may be used in certification of sprinkler installations by Aon New Zealand.		
This Technical Note has been reviewed by Verifire Limited and is endorsed by them.		

NZS4541:2007 states that all components of a sprinkler system shall be designed and installed to remain operational at the earthquake loadings specified in NZS1170.5.

It is apparent that in some cases, that some tank manufacturers are issuing producer a “PS-1 Producer Statement – Design” as verification that the design of their tanks meets the seismic design requirements of the Standard and the NZ Building Code.

This document covers the design aspects of the tank installation, but may not necessarily confirm that the tanks foundations meet seismic and geotechnical stability requirements.

To confirm that the installation complies with NZS4541, can all contractors please insist that their tank supplier provides a PS-4 Producer Statement Design and Construction Review for the completed tank installation.

This Producer Statement needs to confirm that the tank and its foundations meet the seismic design requirements of the Standard. This may well require a geotechnical test and survey in some adverse ground conditions that are common throughout NZ

This will confirm that not only has the tank been correctly designed, but that it has been correctly installed and on a stable foundation.

Normally, such certificates would be signed by a Chartered Professional Engineer.