

AON SPRINKLER CERTIFICATION



Aon New Zealand

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Aon Sprinkler Certification Technical Note		
Note Number: 16-27	Issue: 2	Date: 30 August 2016
Subject	200mm pipe	
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.		

Refer table 4.3. This table specifies acceptable types of pipe and standards to which they are manufactured and tested. The last entry on table 4.3 allows for any other pipe that can be demonstrated to the SSC as meeting AS 4118.2.1. Recently Aon has approved several 200mm pipes sourced from specific mills that have been shown to comply with these requirements and as a result we have listed with conditions.

As 4.78mm 200mm pipe as a very light wall grooving of this pipe requires extra care to ensure that the thinning does not occur when the groove is formed. All pipes are susceptible to this phenomenon but the 4.78mm wall 200mm pipe is more so. Thinning is normally a result of one of three factors, pipe grooved too aggressively, pipe grooved too deep, use of the wrong rollers or excessively worn grooving wheels. We suggest that all staff that are grooving pipe should be trained in the correct technique and have the proper measuring tools.

A condition of our listing the 4.78mm wall 200mm pipe is inspectors actually audit a selection of grooves. This audit is not just a go no-go check of the groove diameter but a check of all the dimensions given in the grooving specifications. While inconvenient if the pipe has been installed in which case the contractor will have to remove a number of couplings so the inspector can carry out the audit. If the pipe has been grooved by a variety of people, ie some in a workshop and some onsite, they need to check grooves from all sources.

It is noted that the rollers required to groove 200mm pipe differ from those needed to groove 50mm to 150mm pipe.

Refer to the grooving specifications from the manufacturers for the correct dimensions and tolerances.

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