Dear Industry Partners,

SPRING Singapore administers the National Standardisation Programme under the direction of the industry-led Standards Council of Singapore. As of April 2011, SPRING Singapore has appointed the Standards Development Organisation at Singapore Chemical Industry Council Limited (SDO@SCIC) to manage the Chemical Standards Committee (CSC).

The Working Group (WG) on Roof Bitumen under the purview of the Technical Committee (TC) for Petroleum Processes and Products, one of the committees under CSC, has completed the revision of SS 133 : 1987 (1998) Specification for bituminous emulsion for roof waterproofing.

**Scope of SS 133 : 2017 Specification for bituminous emulsion for roof waterproofing**

SS 133 : 2017 covers bituminous emulsions capable of being sprayed on or brush-applied in relatively thick films as part of waterproofing system for roof surfaces with inclines of not less than 1 in 70.

**Highlights of SS 133**

The revision has been prepared principally to bring the standard in line with international standards and to update the test methods. The principal changes in this revised standard are as follows:

a) Update of classification of bituminous emulsion to align with ASTM D1227-13. The classification has been streamlined to two types of bituminous emulsions for brush and/or spray applications in Table 1

b) Introduction of ‘set-to-touch time’ characteristic and test method in Table 2 and Annex G respectively

c) Introduction of alternative method to measure residue by evaporation using moisture balance analyser in Annex D

d) Replacement of open-cup method with closed-cup method in Annex E

**Potential Users and Stakeholders of the Standard**

Facility managers, Town Councils, building authorities, consulting engineers, architects, roof waterproofing membrane manufacturers, suppliers, contractors and applicators, bitumen manufacturers and suppliers, building contractors, quantity surveyors and accredited test labs.

A preview of the aforementioned SS 133 : 2017 is enclosed for your reference. The full standard is available for purchase at the Singapore Standards e-shop through the following web-link:


Thank you.

Best Regards,

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