Irish Standard Recommendation
S.R. CEN/TR 16625:2013

Flexible sheets for waterproofing - Statistical definition of manufacturer's limiting value and declared value (MLV and MDV) - 95 % Statistic

S.R. CEN/TR 16625:2013

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English Version

Flexible sheets for waterproofing - Statistical definition of manufacturer's limiting value and declared value (MLV and MDV) - 95 % Statistic

Feuilles souples d'étanchéité - Définition statistique de la valeur limite annoncée par le fabricant (VLF) et de la valeur déclarée par le fabricant (VDF) - Statistique à 95 %

Abdichtungsbahnen - Statistische Definition des Hersteller-Grenzwertes und des Hersteller-Nennwertes (MLV und MDV) - 95 %-Statistik

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Foreword

This document (CEN/TR 16625) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

1 Scope

This Technical Report is a guideline for the statistic approach for the definition of MLV/MDV within the declaration of values according to the product standards of CEN/TC 254 'Flexible sheets for waterproofing' (see Bibliography). Characteristics with classes (for example fire behaviour) or pass/fail criteria (for example UV exposure) are not covered by the statistical rules of this report.

2 Terms and definitions

For the purposes of the document, the following terms and definitions apply.

NOTE Terms for statistics are common knowledge and are described in different standards (for example ISO 3534-1; ISO/IEC Guide 98-3; ISO/TR 13425).

2.1
manufacturer's declared value (MDV)[1)]
nominal value including a double sided specification according to the product standard for a given test method or property

2.2
manufacturer’s limiting value (MLV)[1)]
nominal value including a single sided specification according to the product standard for a given test method or property

Note 1 to entry: The MLV can be a minimum or a maximum value according to statements made under product characteristics of the relevant product standard.

2.3
single value
value of one test specimen as described within the test standard

2.4
test result
result as defined in the test standard

Note 1 to entry: The test result is described in the Clause ´Expression of results´ of the test standard and reported in the test report.

3 Statistical principles

3.1 General

The declaration of the product performance as defined in the product data sheet should be based on statistical interpretation of the factory production control (FPC), the interpretation of the initial type testing (ITT) and the precision of the test methods. For characteristics controlled by FPC tests, where indirect control applies, the statistics of the direct test method apply to the indirect test method including expanded uncertainty.

1) The MLV and MDV definitions are also defined in all product standards given in the Bibliography of this Technical Report. This Technical Report describes the agreed current position of CEN/TC 254. CEN/TC 254 plans to adjust the statistic definition given in the product standards in accordance with this Technical Report.