



ASTM INTERNATIONAL
Helping our world work better

International Standards in Regulation

Best Practices – Identification and Referencing

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Standards Alliance Program – 21-22 May 2018

www.astm.org

Why Are Standards Important in Mozambique?



They are key tools and resources

- Standards
 - are an integral part of any quality infrastructure
 - improve the performance of your industrial and agricultural sectors and the lives of your citizens
 - support health and safety, protect the environment, enable innovation, enhance reliability and quality, and facilitate trade, and
 - enable compliance with the WTO obligations
- I'll share information on standards in regulation from an ASTM perspective

- Global platform for the development of international standards; address market challenges
- Private sector, not-for-profit organization
- ANSI and SCC accredited SDO
- 33,000 members from 150+ nations
- 147 TCs serving 90 industry sectors; develop/maintain 12,700+ standards
- Complaint with WTO/TBT principles
- Also providing related services (proficiency testing, training, certification)



Helping
Our World
Work
Better

Collaboration with The Public and Private Sector

Solutions through standards

- ASTM's process is open to and includes both public and private sectors for the development of high quality standards that are globally relevant
 - Standards are market driven and voluntary
 - Address technical, market, regulatory needs
 - Focus is on science and technology
- Based on relationships with National Standards Bodies
 - 109 individual Memorandums of Understanding (MoU) including 5 regional agreements
- ASTM standards are referenced by governments around the world for their high quality and market relevance
 - No ASTM standard has ever been cited by the World Trade Organization as a Technical Barrier to Trade



1000+

ASTM members
come from
international
governments



Memoranda of Understanding

- ASTM has agreements with two regional bodies on the Continent
 - ARSO
 - SADC
- ASTM has 179 members from African economies engaged in 61 percent of our standards development activities
- And, agreements with national standards bodies of 28 African nations, including Mozambique.
- INNOQ signed the MoU in 2008

MoU Benefits

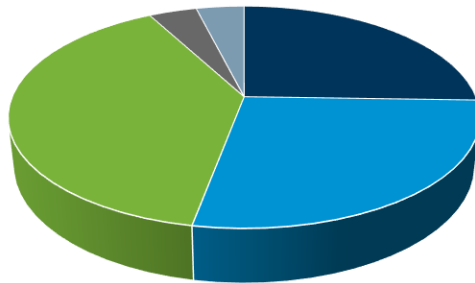
- Provides a full collection of ASTM Standards to INNOQ for use as decided by INNOQ and its TCs
- Provides Mozambique with choice and flexibility
 - Use of ASTM standards as a technical and economic resource (best option for stakeholders' needs)
- Offers membership to Mozambican stakeholders at no cost
 - Equal ability to identify needs, influence content
- Facilitates information exchange and training
- Requires the NSB to provide an annual report indicating:
 - Use of ASTM standards,
 - Engagement with ASTM, and
 - Training requests

ASTM International and INNOQ



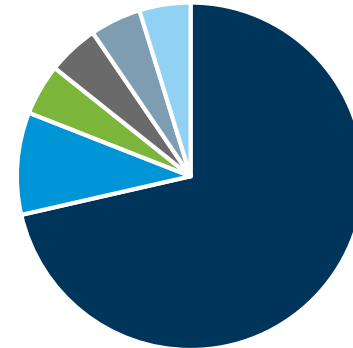
- MoU signed in 2008
- Use of ASTM standards as a result of the MoU

Types of Citations



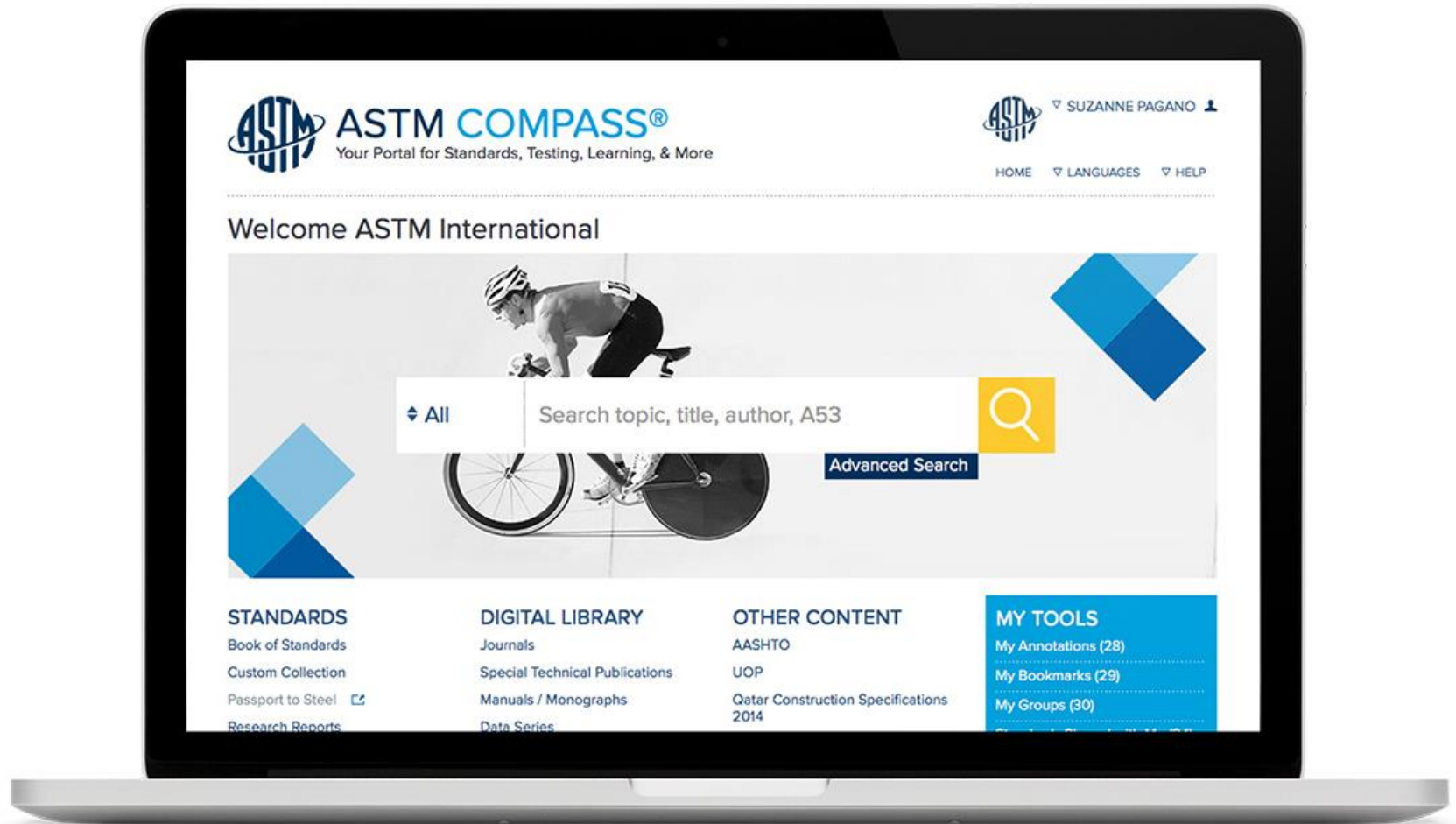
- Adoptions
- Consultations
- Normative Reference
- Referenced in Regulation
- Used as the Basis

Most Frequently Cited Sectors



- Petroleum
- Steel, Stainless Steel
- Copper
- Rubber
- Plastics
- Fasteners

How to Access ASTM Standards: Compass® Dashboard



Compass Features

- Navigation in 14 languages
- Including Portuguese
- Bookmarks/Saved Search
- Annotations
- Terminology Dictionary
- Robust taxonomy of 4,000 categories and 45,000+ keywords
- Digital Adjuncts
- Research Reports

The screenshot displays the ASTM COMPASS website. At the top, the logo and name 'ASTM COMPASS®' are visible, along with the tagline 'Your Portal for Standards, Testing, Learning, & More'. The user 'JACLYN KOVACH' is logged in. Navigation links for 'SPECBUILDER™', 'HOME', 'LANGUAGES', and 'HELP' are present. A welcome message 'Welcome ASTM International' is shown above a large banner image of a person kayaking. A search bar with a magnifying glass icon contains the text 'Search topic, title, author, A53'. Below the search bar is an 'Advanced Search' button. The main content area is divided into four columns: 'STANDARDS' (listing Book of Standards, Custom Collection, Passport to Steel, Research Reports, Related Materials, Digital Adjuncts, and Alphanumeric Listings of Standards with a grid of letters A-G), 'DIGITAL LIBRARY' (listing Journals, Special Technical Publications, Manuals/Monographs, Data Series, Proceedings, Bulletins, Materials Research and Standards, and CHETAH), 'OTHER CONTENT' (listing AASHTO, AATCC, API, ISO, MIL, Unified Numbering System (UNS), and UOP), and 'MY TOOLS' (listing My Annotations (3), My Bookmarks (2), My Saved Searches (2), My Groups (1), Standards Shared With Me (0), Publications Shared With Me (0), Product Alerts, Subscription Usage, Subscription Details, Member Dashboard, and HyperLink). A 'BROWSE BY INDUSTRY SECTOR' section lists Standards and Publications. A 'SPECBUILDER' section is also visible. A 'TERMINOLOGY' section at the bottom right shows a grid of letters A-Z and numbers 0-9.

Another Way to Access the Information You Need



ASTM Membership (Types/Benefits)

- Membership identifies those that serve on ASTM technical committees
- Vote on content of ASTM Standards
 - Currently over 24,000 ballot items
- 10% Discount off ASTM Publications
- Free Volume of BOS
(*online access or print*)
- Subscription to *Standardization News* and eNews
- Free Meeting Attendance
- Reduced Fees for Qualified Symposium and Workshops
- Professional Development Opportunities

Other types of membership

- MoU (no cost to MoU partners)
 - (Same benefits except for free volume since full collection is provided to INNOQ)
- Student
 - (No cost; access to information on-line)
- **ASTM Members are a global network of peers, customers, competitors, regulators, researchers, academics**
 - Exceptional knowledge of standards, current issues, challenges, options
 - Link via website
- *Other options*
 - ASTM staff
 - ASK ASTM on-line tool to raise inquiries

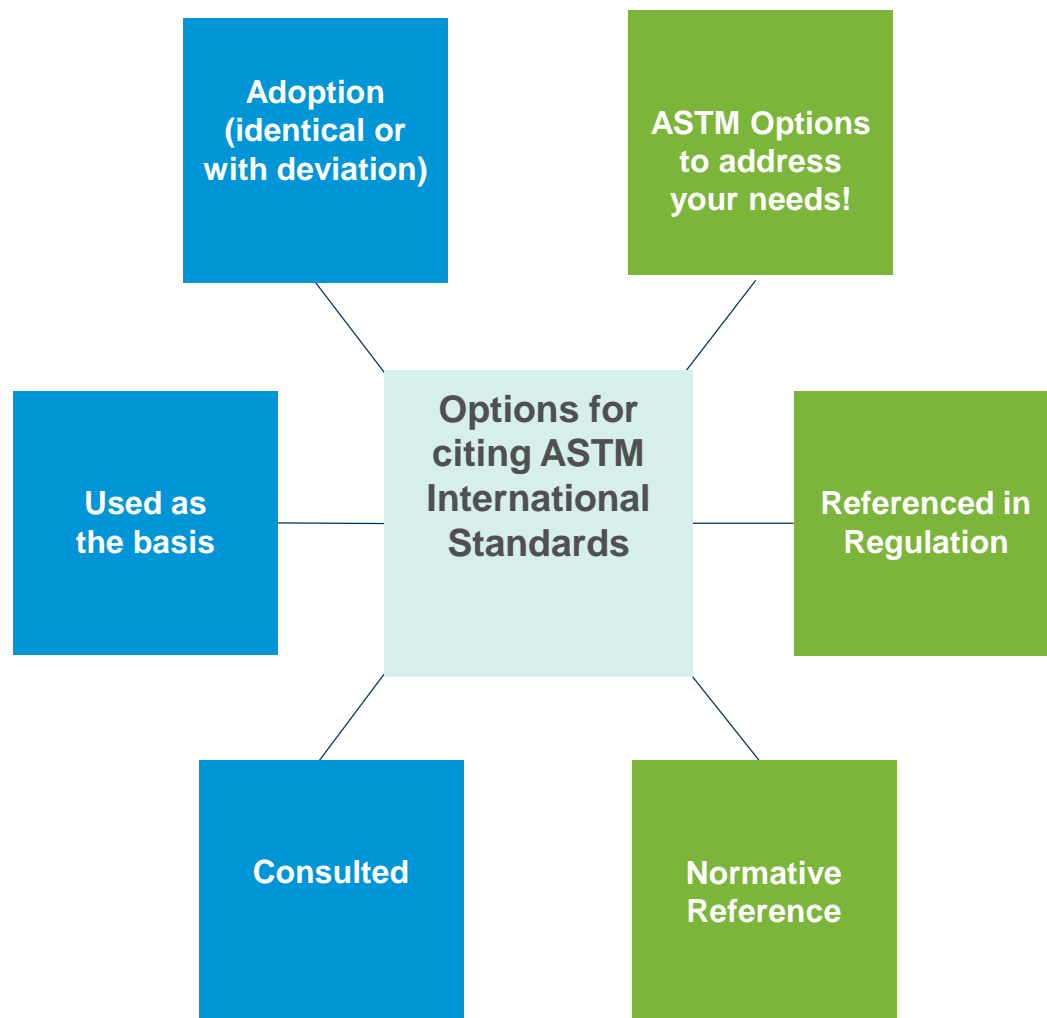
Options for Citing ASTM Standards

Available to all Public and Private Standards' Users

- Referenced in Regulations
- Normative Reference

Available Only to MoU Partners

- Identical Adoption
- Equivalent Adoption
- Used as the Basis of a National Standard
- Consulted





Uses of ASTM International Standards

Referenced in Regulation

ASTM International standard is called out, either in whole or in part, in a regulation, law, decree, rule, act, directive, order, edict, etc. (i.e. any official government document other than a National Standard).

The content of the ASTM standard, either in whole or in part, is intended to be used as an additional requirement of the new regulation.

7,700+

Citations to ASTM standards for adoption, use as a reference, or as the basis of national standards outside the USA

Referenced in Regulation



GOVERNMENT NOTICES

SOUTH AFRICAN REVENUE SERVICE

No. R. 1334

CUSTOMS AND EXCISE ACT, 1964. AMENDMENT OF SCHEDULE NO. 1 (No. 1/1/1367)

Under section 48 of the Customs and Excise Act, 1964, Part 1 of Schedule No. 1 to the said Act is hereby amended, with effect from 1 January 2009, to the

SCHEDULE

By the substitution for the ADDITIONAL NOTES to CHAPTER 27 of the following:

ADDITIONAL NOTES:

1. Specifications:

In this Chapter the following expressions shall be deemed to refer to hydrocarbon fuels and oils which are liquid at normal temperature and pressure (20°C) all of the specifications hereunder assigned thereto or with any other specifications accepted or determined by the Commissioner (unless otherwise stated, determined by the methods specified below) provided the intended uses of such fuels and oils are considered by the Commissioner in every case to be as such and oils.

Methods to determine Specification Properties:

Distillation: ASTM D86/IP123

Density: ASTM D1298/4052

Knock Rating: ASTM D2700/IP236

Smoke Point: ASTM D1322/IP57

Sulphur Content: ASTM D2622/IP336

Kinematic Viscosity: ASTM D445/IP71





Uses of ASTM International Standards

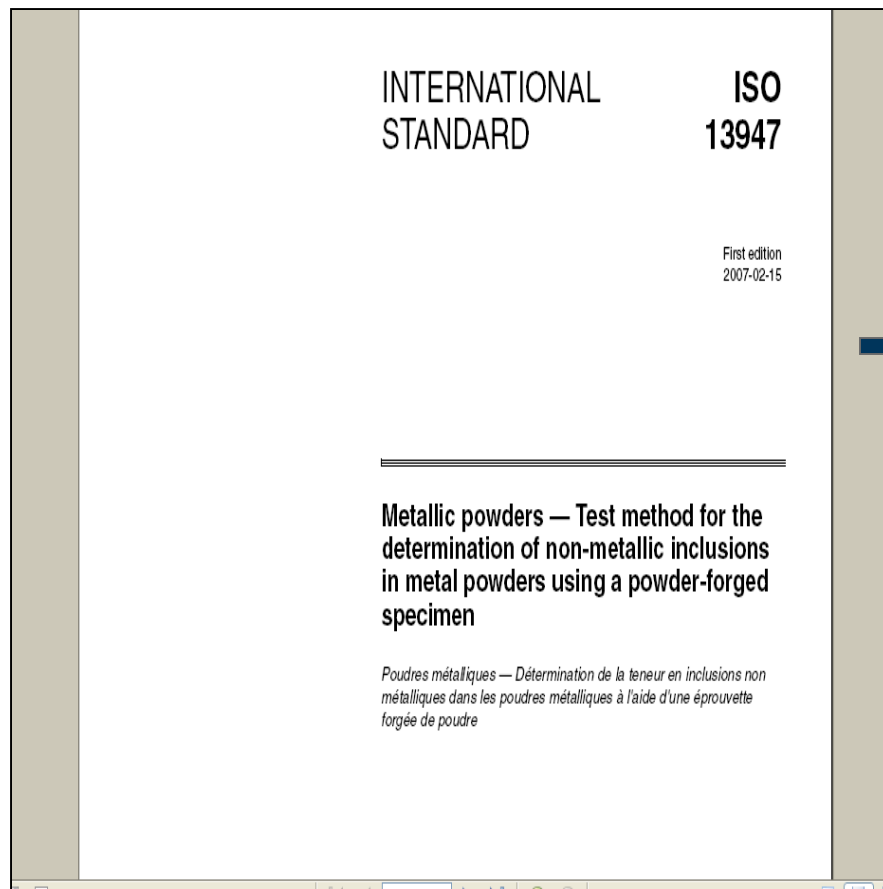
Normative Reference

ASTM International standard (title only) is called out in the text of National Standard and its title also appears in the “Referenced Documents” section of the National Standard. The content of the ASTM standard, either in whole or in part, is intended to be used as an additional requirement of the new National Standard.

ASTM International
complies with
all 6 principles of an
International
Standards Developer
as defined by the

WTO

Normative Reference



such that the core region contains porosity. At the magnification used for this test method, residual porosity is hard to distinguish from inclusions. Too much residual porosity makes a meaningful assessment of the inclusion population impossible.

This test method may be applied to materials that contain manganese sulfide (admixed or prealloyed), provided the near-neighbour separation distance is changed from 30 μm to 15 μm .

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/TR 14321:1997, *Sintered metal materials, excluding hardmetals — Metallographic preparation and examination*

ASTM B 796-02, *Standard test method for nonmetallic inclusion content of powders intended for powder forging (P/F) applications*

ASTM E 3-01, *Standard practice for preparation of metallographic specimens*

ASTM E 768-99, *Standard practice for preparing and evaluating specimens for automatic inclusion assessment of steel*

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Additional Uses of ASTM International Standards for MoU Countries



Adopted as an Identical Standard

- ASTM International standard is considered, in its entirety, to be the National Standard recognized by the National Standards Body


Adopted as an Equivalent Standard

- ASTM International standard is considered, with limited deviation, to be the National Standard recognized by the National Standards Body

“ASTM standards help us develop our national standards and are deeply utilized in industries such as construction, petroleum products and medical equipment.”
STAMEQ, Vietnam

Identical National Adoption of an ASTM standard





**MALAYSIAN
STANDARD**

MS 2360:2010

**TEST METHOD FOR RATE OF BURNING
AND/OR EXTENT AND TIME OF BURNING
OF PLASTICS IN A HORIZONTAL POSITION
(FIRST REVISION)**

ICS: 83.080.01

Descriptors: plastics, test, small-scale laboratory screening, rate of burning, horizontal position

FOR SALE WITHIN MALAYSIA ONLY

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DEPARTMENT OF STANDARDS MALAYSIA

.080.01

Descriptors: plastics, test, small-scale laboratory screening, rate of burning, horizontal position

FOR SALE WITHIN MALAYSIA ONLY

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Equivalent National Adoption of an ASTM standard



PHILIPPINE NATIONAL STANDARD

PNS ASTM C 1048:2013
(ASTM published 2012
with Amendment 1:2013)
ICS 81.040.20

Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass



BUREAU OF PRODUCT STANDARDS

Member to the International Organization for Standardization (ISO)
Standards and Conformity Portal: www.bps.dti.gov.ph



PHILIPPINE NATIONAL STANDARD

PNS ASTM C 1048:2013
Amendment 1:2013

Amendment

This amendment to the PNS ASTM C 1048:2013 was prepared by the Bureau of Product Standards Technical Committee on Glass and Glass Products (BPS/TC 28).

Clause/ Sub-clause	Modification
6.1.11	Delete the whole subclause 6.1.11
11.1	Replace the whole text of subclause 11.1 with the following: The identification marking shall include the manufacturer's name or trademark, and the designation of heat-strengthened or tempered, or an abbreviation such as HS or T.
11.1.2	Delete the whole subclause

Explanation

The amendment to the original text of ASTM C1048 was prepared to emphasize the requirement for permanent identification marking.

Requirements for Adoptions



- Provide ASTM written notice of the ASTM standards proposed for adoption – obtain written approval prior to adoption
- Publish adoptions (a derivative work) of ASTM Standards without, as much as possible, change to the original to maintain the integrity of the ASTM Standards
 - However, deviations are possible and must be noted
- Shall not assign or transfer any rights you have in the adoptions, nor submit or provide the ASTM Standards or the adoptions to any other standards body(s) or organizations without written consent of the ASTM President
- Provide ASTM with an electronic copy of the adoption
- Provide recognition: “This National Standard is identical to ASTM XXXX-XX, Title, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Published and reprinted pursuant to license agreement with ASTM International”
- Acknowledge and agree that the adoption, enactment, reference, or incorporation of any of the ASTM Standards by any government or agency, including the national standards body, has not and will not effect, transfer, modify or alter the copyrights of the ASTM Standards in any way;
- To provide ASTM with a complete list of its adopted ASTM Standards in the Annual Report to ASTM or upon request.

Used as a Basis



Used as the Basis of a National Standard

- The ASTM International standard is reviewed by national technical experts during the development process and used as the basis of a new National Standard for the National Standards Body.
- Examples follow...

NOTE:

Although this method is authorized under the terms of the MoU, technical information used in this manner may quickly become outdated.

As the Basis of a National Standard



This national standard is based on ASTM C969...



INTE CTN 16

Fecha: 2009-03-30

INTE 16-11-19-09

Primera edición

Secretaría: INTECO

Ensayo de infiltración y exfiltración de tuberías de concreto instaladas para alcantarillado

CORRESPONDENCIA: Esta norma nacional corresponde con la norma ASTM C969M-02, "Standard Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines [Metric]".

ICS:91.100.30
Editada e impresa por
INTECO

© INTECO 2009
Derechos reservados

LAS OBSERVACIONES A ESTE DOCUMENTO DIRIGIRLAS A:
INSTITUTO DE NORMAS TECNICAS DE COSTA RICA

Teléfono: (506) 2283 4522 Fax: (506) 2283 4931 / 4932 / 10064-1000
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Use of ASTM Standard for a National and Regional Standard



TRINIDAD AND TOBAGO STANDARD

TTS/CRS 54:2016

COMPULSORY

SPECIFICATION FOR CEMENT

TTS/CRS 54:2016

(Replaces TTS 584-1:2002, TTS 584-2:2002 and the respective amendments)

This Trinidad and Tobago Standard is a modified adoption of the CARICOM Regional Standard CRS 54:2014, *Cement - Specification*, which is copyright protected by the CARICOM Regional Organisation for Standards and Quality (CROSQ)

This standard is intended for use by manufacturers, importers and distributors of cement. It is also intended to provide engineers and other users with the expected performance requirements of cements covered by this standard.

Due to differing sources of cement imported into the region, this standard adopts an approach that would address cements produced in accordance with the relevant standards in the United States of America and the European Union. Specifically, the standard is based mainly on ASTM C150M *Standard Specification for Portland Cement*, ASTM C595M *Standard Specification for blended hydraulic cements*, ASTM C1157M *Standard Performance Specification for Hydraulic Cement* and EN 197-1 *Cement – Part 1: Composition, specifications and conformity criteria for common cements*.

This standard specifies requirements for nineteen types of cement covered by ASTM C150M, ASTM C595M, ASTM C1157M and EN 197-1; these cement types, which are not exhaustive, are considered to be the most widely used hydraulic cement types used by the construction industry in the Caribbean region.

Annex A is informative and is intended to provide guidance for sampling frequencies.

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Use of ASTM Standard for a National Standard



Segunda-feira, 7 de Maio de 2012

III SÉRIE — Número 18



BOLETIM DA REPÚBLICA

PUBLICAÇÃO OFICIAL DA REPÚBLICA DE MOÇAMBIQUE

3.º SUPLEMENTO

IMPRENSA NACIONAL DE MOÇAMBIQUE, E.P.

AVISO

A matéria a publicar no «Boletim da República» deve ser remetida em cópia devidamente autenticada, uma por cada assunto, dando curso, além das indicações necessárias para esse efeito, à averbação seguinte, assinada e autenticada. Para publicação no «Boletim da República».

MINISTÉRIO DA JUSTIÇA

DESPACHO

Um grupo de cidadãos requer à Ministra da Justiça o reconhecimento da Associação Fórum Nacional de Editores - EDITMOZ como pessoa jurídica, juntando ao pedido os estatutos da constituição.

Apreciados os documentos entregues, verifica-se que se trata de uma associação que prossegue fins lícitos, determinados e legalmente possíveis cujo acto de constituição e os estatutos da mesma cumprem o escopo e os requisitos exigidos por lei, nada obstante o seu reconhecimento.

Nestes termos, ao abrigo do disposto no n.º 1 do artigo 5 da Lei n.º 8/91, de 18 de Julho, e do artigo 1 do Decreto n.º 21/91, de 3 de Outubro, vai reconhecida como pessoa jurídica a Associação Fórum Nacional de Editores - EDITMOZ.

Maputo, 12 de Abril de 2012. — A Ministra da Justiça, Maria Berwind Delfina Levi.

Instituto Nacional de Normalização e Qualidade

AVISO

Nos termos da alínea b) do n.º 1, do artigo 13 do Decreto 2/93 de 24 de Março que aprova o Estatuto Orgânico do Instituto Nacional de Normalização e Qualidade e n.º 2 do artigo 9 do Decreto 59/2009 de 8 de Outubro que aprova o Regulamento de Normalização e Avaliação da Conformidade, torna-se pública a lista de Normas Moçambicanas aprovadas.

Lista de Normas Moçambicanas (NM) aprovadas por Comissões Técnicas de Normalização Sectorial

CTNSaup - CTNSaup - Comissão Técnica de Normalização Sectorial (alimentos, saúde, agro - indústria, pesca, produtos químicos, engenharia química e meio ambiente)

1. NM 180 2010 - Camarão congelado;
2. NM 181 2010 - Peixe não envidrado e envidrado;
3. NM 182 2010 - Modelo de certificação do peixe;

4. NM 183 2010 - Cerveja;
5. NM 184 2010 - Leites concentrados
6. NM 185 2010 - Leite
7. NM 186 2010 - Sabões comuns - Barras e blocos
8. NM 187 2010 - Sabões Comuns (líquidos e Pastosos) - Tipos e Características
9. NM 188 2010 - Sabonete super gordo
10. NM 223 2010 - Refrigerantes
11. NM 224 2010 - Bebidas espirituosas
12. NM 225 2010 - Carne enlatada
13. NM 226 2010 - Carne do almoço
14. NM 190 2010 - Sumos de frutas
15. NM 191 2010 - Alho
16. NM 192 2010 - Cebola
17. NM 193 2010 - Cenoura
18. NM 194 2010 - Couve repolho
19. NM 195 2010 - Código Frutas enlatadas
20. NM 284 2010 - Soja
21. NM 285 2010 - Sementes de gergelim
22. NM 286 2010 - Código frutas secas
23. NM 288 2010 - Inspeção de alimentos enlatados
24. NM 289 2010 - Saladas de frutas - especificações
25. NM 250 2010 - Qualidade da água - Amostragem - Parte 5: Orientações sobre a amostragem de água potável a partir de estação de tratamento e de sistemas de distribuição
26. NM 251 2010 - Salas limpas e ambientes controlados associados - controle da biocontaminação - princípios gerais e métodos
27. NM 249 2010 - Código de Boas Práticas Para Limpeza, Conservação e Desinfecção das Unidades de Saúde

CTNSgmt - Comissão Técnica de Normalização Sectorial (gestão da qualidade, gestão ambiental, segurança e normas básicas)

28. NM 174: 2010 - Bases para a quantificação dos custos de qualidade
29. NM 175/2010 - Linhas de orientação para a documentação do sistema de gestão da qualidade
30. NM ISO 10001:2010 - Gestão da qualidade - Satisfação do cliente - Linha de orientação relativas aos códigos de conduta das organizações
31. NM ISO 10002:2010 - Gestão da qualidade - Satisfação dos clientes - Linhas de orientação para tratamento de reclamações nas organizações
32. NM ISO 10015:2010 - Gestão da qualidade - Linhas de orientação para a formação

4485-AM(188)DE 2012

III SÉRIE 4485-AM(188)DE 2012

33. NM ISO/IEC 17021:2010 - Avaliação da conformidade - Requisitos para organismos que procedem à auditoria e à certificação de sistemas de gestão
 34. NM 244: 2010 - Informação e documentação - Livros e folhetos - Apresentação
 35. NM 245:2010 - Roupa hospitalar - Características
 36. NM 247:2010 - Roupa hospitalar - Terminologia
 37. NM 248:2010 - Instrumentos de medição - Régua graduada de aço - Características construtivas e requisitos metrologicos
 38. NM 246:2010 - Uniforme escolar - Requisitos de desempenho e segurança
 39. NM 172:2010 - Ética nas organizações - parte 1: Linhas de orientação para o processo de elaboração e implementação de código de ética nas organizações
 40. NM 173:2010 - Sistemas de gestão de recursos humanos - Requisitos
 41. NM ISO 186:2010 - Papel e cartão - Amostragem para determinar a qualidade média
 42. NM ISO 187:2010 - Papel cartão e pastas celulósicas Atmosfera normalizada para condicionamento, ensaio e procedimento de controlo da citosfera e condicionamento das amostras
 43. NM 178: 2010 - Tecnologia gráfica - Blocos de desenho - Requisitos
 44. NM 219:2010 - Turismo - Cozinha em função polivalente - Competência de pessoal
 45. NM 220:2010 - Turismo - Servente de mesa em função especializada - competência de pessoal
 46. NM 189:2010 - Produtos de papel para fins sanitários oratórios de analise Parte 4: Guardanapo de papel folha dupla - Classificação
 47. NM ISO 216:2010 - Papel de escrever e determinados tipos de impressos - Formatos acabados Séries A e B
 48. NM ISO 536:2010 - Papel e cartão - Determinação da gramagem
 49. NM 179: 2010 - Papel e cartão - Tolerâncias de formatos e gramagem
 50. NM ISO 10013:2010 - Directrizes para a documentação de sistema de gestão da qualidade
 51. NM 221: 2010 - Recepcionista em função polivalente - Competência de pessoal
 52. NM ISO GUIA 73: 2010 - Gestão de riscos
- CTNSmct - Comissão Técnica de Normalização Sectorial (engenharia mecânica, Combustíveis, Caldeiras e Recipientes sob pressão, Transporte e metrologia)**
53. NM 147:2010 - Caldeiras Estacionárias a Vapor - Inspeção de Segurança, Parte 2: Caldeiras aquatubulares
 54. NM 196:2010 - NM Produtos líquidos de petróleo. Determinação de água pelo método de absorção de infravermelho
 55. NM 197:2010 - Produtos de petróleo. Determinação da cor - Método colorímetro ASTM
 56. NM 198:2010 - Produtos de petróleo. Determinação em Gasolina por Espectroscopia de Absorção Atómica
 57. NM 199:2010 - Produtos líquidos de petróleo: Determinação dos tipos de hidrocarbonetos pelo indicador de absorção por fluorescência
 58. NM 200:2010 - Coque - Determinação da granulometria por peneiramento manual - Método de ensaio
 59. NM 201:2010 - Cálculo do teor de carbono fixo em coque-procedimento
 60. NM 202:2010 - Coque - Determinação do teor de cinzas - Método de ensaio
 61. NM 203: 2010 - Coque - Determinação do teor de matérias voláteis
 62. NM 204:2010 - Recipientes transportáveis para gás de petróleo liquefeito (GPL) - Seleção visual das condições de uso

63. NM 205: 2010 - Recipientes transportáveis de aço para gás de petróleo liquefeito (GPL) - Requalificação - procedimento
 64. NM 206 :2010 - Recipientes em plástico, para o transporte e/ou armazenamento de gás liquefeito de petróleo (GLP): projecto, fabricação e inspecção
 65. NM 207 :2010 - Roscas de fixação das válvulas dos recipientes transportáveis para GPL - Dimensões
 66. NM 208 :2010 - Rosca NPT para tubos - Dimensões
 67. NM 209 :2010 - Embalagens de produtos perigosos - classes 1,3,4,5,6,8 e 9 - Requisitos e métodos de ensaio
 68. NM 210 :2010 - Transporte terrestre de produtos perigosos - Incompatibilidade Química
 69. NM 211 : 2010 - Embalagem e acondicionamento - Terminologia
 70. NM 212: 2010 - Transporte de produtos alimentícios refrigerados - Procedimentos e critérios de temperatura
 71. NM 15 : 2010 - Revisão - Requisitos gerais para a rotulagem de produtos pré-embalados e para a venda de mercadorias sujeitos ao controlo de metrologia legal
 72. NM 16: 2010 - Revisão - Exigências técnicas e metrologias para balanças mecânicas de funcionamento não automático, equilíbrio não automático ou semi-automático e sem graduação
 73. NM 17: 2010 - Revisão - Exigências técnicas e metrologias para instrumentos de pesagem não automáticos de braços iguais
 74. NM 161 : 2010 - Exigências técnicas e metrologias para dispositivos de medição de líquidos sujeitos ao controlo de Metrologia Legal
 75. NM 257:2010 - Requisitos metrologicos e técnicos para manómetros de pressão em pneus de veículos motores sujeitos ao controlo de Metrologia Legal
- CTNScdm - Comissão técnica de Normalização Sectorial (engenharia civil, desenho técnico, madeira e florestas)**
76. NM 157: 2010 - Aço laminado a quente - Varão
 77. NM 158: 2010 - Aço laminado a quente - Varão para Beirão
 78. NM 159:2010 - Materiais metálicos - Ensaio de dobragem
 79. NM 160:12010 - Telhas de micro betão - Parte 1: Projecto e execução de telhados
 80. NM 160:7:2010 - Telhas de micro betão - Parte 2: Requisitos e métodos de ensaio
 81. NM 162: 2010 - Tijolos de Barro Vermelho para Alvenaria
 82. NM 163: 2010 - Tubos de betão para canalizações de esgoto: Ensaio de compressão diametral
 83. NM 164: 2010 - Tubos de betão para canalizações de esgoto: Ensaio de pressão interior
 84. NM 166: 2010 - Formatos de Papel
 85. NM 165: 2010 - Tijolo cerâmico para alvenaria. Verificação da resistência à compressão
 86. NM 167: 2010 - Modo de dobrar folhas de desenho
 87. NM 230: 1: 2010 - Componentes cerâmicos. Parte 1 Tijolos cerâmicos para alvenaria de vedação terminologia e requisitos.
 88. NM 230:2:2010 - Componentes cerâmicos. Parte 2: Tijolos cerâmicos para alvenaria estrutural - Terminologia e requisitos
 89. NM 230: 3: 2010 - Componentes cerâmicos. Parte 3: Tijolos cerâmicos para alvenaria estrutural e de vedação - Métodos de ensaio
 90. NM 231: 2010 - Manual de operação, uso e manutenção das edificações - Conteúdo e recomendações para elaboração e apresentação
 91. NM 232: 2010 - Manutenção de edificações - Procedimento
 92. NM 233 2010 - Figuração de materiais em corte
 93. NM 234: 2010 - Legenda
 94. NM 235: 2010 - Linhas e sua utilização
 95. NM 236: 2010 - Lista de peças
 96. NM 237: 2010 - Cotagem

Additional Uses of ASTM International Standards for MoU Countries



Consulted

- ASTM document is reviewed by national technical experts during the development process of a new National Standard for the National Standards Body
- ASTM document is reviewed by a stakeholder who visits the NSB's Information Center to review/consider the ASTM Standard

NOTE:

Although this method is authorized under the terms of the MoU, technical information used in this manner may quickly become outdated.



The MoU Annual Report



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Mauritius Standards Bureau MOU Reporting to ASTM International

This page is a home for all MOU standards activities reporting from Mauritius Standards Bureau to ASTM International. At any time throughout the year, you may enter data for inclusion in your annual report.

Your Annual Report is not currently Due. You can add and remove designations and click on the save button to register Designations. They will not be sent to ASTM until the Annual Report is due.

Please send all questions to the following email address: [MOU Annual Report](#)

Organization Name and Address

Organization Name

Mauritius Standards Bureau REQUIRED

Address Line 1

Villa Road REQUIRED

Address Line 2

REQUIRED

City

MOKA REQUIRED

Country

⌵ Mauritius

State/Province

⌵ None

Zip/Postal Code

REQUIRED

SUBMIT

Your submitted changes will be applied within 2-3 days.

Due each year on the Anniversary date of the MoU signing.

We will send an email reminder to the primary contact a month before the due date with the online link.

Contact Name and Address



The ASTM-INNOQ MoU Facilitates

- Authorized use of ASTM International standards (with appropriate permission and attribution) if they meet the needs of the end users
- Enables INNOQ to use the best technical guidance based on the science in the standard, not the “brand” of the standard
- The use of high quality, universally accepted standards is a benefit to industry, regulators and patrons
- Multiple paths exist to facilitate the understanding and use of ASTM information in Mozambique

Moving Forward Together



Working together, we can promote public–private cooperation through standards development by:

- Applying the WTO TBT principles
- Promoting consideration by regulators of all relevant international standards developed according to the TBT Committee Decision
- Advancing the ability of industries to choose the international standards which best meet their needs, regardless of where they are developed
- Encouraging government and private sector participation in standards development

The high-quality, market-relevant international standards we create together can help to support public policy goals by:

- Underpinning effective regulations that help make global business more predictable and transparent, while making it more simple and inexpensive for businesses to comply
- Making products and materials interoperable and more responsible to environmental, safety and health concerns to meet expectations of consumers
- Advancing R&D, product manufacturing, testing, quality assurance, marketing, and trade

In summary, together we can help the world to work better through improved products, increased trade, and greater prosperity for the future.



Contact Information for INNOQ Questions/Issues

ASTM colleagues to contact with questions:

- Issues with submitting annual report, access to standards subscription – **Courtney Hepler**
(chepler@astm.org)
- Details or understanding of the MoU and related documents – **Weiwei Swei**
(wswei@astm.org)
- Details of various training programs – **Jim Olshefsky**
(jolshefsky@astm.org)



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Helping our world work better

Thank you

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