



**Saudi Standards Metrology and Quality Org.
SASO**

**Technical Regulation for Building Materials - Part 4: Bricks,
Tiles, Ceramics, Sanitary Ware and Related Products**

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Version (2)

Note:

Only the Arabic version of this Regulation is authentic in law and is applicable where there are differences with this translation

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Preamble

In line with the accession of the Kingdom of Saudi Arabia (KSA) to the World Trade Organization (WTO), as per the Decree No. 244 of the Council of Ministers, dated 21/09/1426 A.H., concerning the approval of documentation on the Kingdom's accession to the WTO, and the requirements by which the KSA shall adapt its relevant systems with the principles of WTO agreements, particularly, the Technical Barriers to Trade (TBT), which stipulates that no unnecessary technical requirements shall impede the flow of commodities among the member states, and that technical requirements and methods of conformity assessment shall not discriminate between products on the basis of origin, through the issuance of Technical Regulations that include the essential requirements and standardized business procedures.

In accordance with Article 3 (Clause-1), Statue of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall issue Saudi standards, quality systems and guidelines and conformity assessment, compatible with international standards and guidelines, that meet the requirements of the World Trade Organization (WTO) Agreement, in addition to their compliance with Islamic Sharia and serving the interests of Saudi Arabia”**;

In accordance with Article 4 (Clause-2), Statue of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall issue regulations for conformity assessment procedures of goods, products, and services according to approved standards”**;

In accordance with Article 4 (Clause-14), Statue of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **“SASO shall review the laws and control regulations related to SASO's work fields, and develop them, and propose amendments thereto in line with quality and safety requirements, and refer them to competent bodies in order to review and issue them, in accordance with applicable procedures”**;

In accordance with Article 6 (Clause-1), Statue of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010

A.D.), stipulating that: **“Subject to Article 4 of this Statute, SASO shall be the authority in charge of matters related to standards, conformity assessment procedures, granting the quality mark, metrology and calibration. All public and private sectors shall be adhered to the Saudi standards in all purchases”.**

Whereas the standards of the products included in a regulation shall be a basis for the conformity of such products with the essential safety requirements included in the specified regulation.

Therefore, SASO has developed this Technical Regulation.

Note: This preamble and all the annexes of this regulation shall form an integral part thereof.

Article (1): Terms and Definitions

1/1 When applying the articles of this regulation, terms and expressions hereunder -- shall have the meanings indicated in front thereof, unless the context otherwise requires:

KSA: The Kingdom of Saudi Arabia.

The Board: SASO’s Board of Directors.

SASO: Saudi Standards, Metrology and Quality Organization.

Regulatory Authorities: Authorities/governmental bodies with regulatory tasks according to their specializations, that are responsible for the implementation and enforcement of technical regulations, whether in customs, markets, or manufactories.

Technical Regulation: A document approved by The Board that provides the characteristics of the products, the associated processes and their production methods, including the applicable administrative provisions; with which compliance is mandatory. The technical regulation can also include or pay attention to terms, definitions, packaging, and requirements of markings or labelling on products, services, processes or production methods.

Standard: A document approved by the Board that provides, for regular and recurring use, non-mandatory rules, instructions, and specifications of products or processes and production methods. It may include or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods

Product: Bricks, tiles, ceramics, marble and stones (natural and industrial), sanitary ware, and relevant products, designed to be used in constructions and buildings.

Market Surveillance Authorities: Authorities/governmental bodies responsible for carrying out market surveillance operations.

Market Surveillance: Activities and measures carried out by the market surveillance authorities to verify that products meet the requirements stipulated in the relevant technical regulations, and to ensure that they do not pose a risk to health, safety, the environment, or any other aspect related to the protection of the public interest.

Hazard(s): A potential source of harm.

Risk (s): A potential risk causing damage; associated with the severity of damage.

Supplier:

- A product manufacturer, in case that he is in the Kingdom, or the person identified as the manufacturer of the product, through linking the product to his name, or to a relevant commercial description, or any person who provides a product replacement.
- An agent, when the manufacturer is outside the Kingdom or an importer in the absence of an agent of the manufacturer.
- Any person in the supply chain, whose activities may affect the product characteristics.

Conformity Assessment Procedures: A document approved by the Board of Directors, which describes the procedures used directly, or indirectly for the conformity assessment.

Notified (Approved) Bodies: Conformity Assessment Bodies “Third Party”, approved by SASO in accordance with the regulation of approving Conformity Assessment Bodies.

Certificate of Conformity: A certificate issued by SASO or a notified body, which ensures the conformity of a product, or any batch thereof, with the requirements of the relevant standards and Technical Regulation.

Supplier Declaration of Conformity: A declaration by the supplier by which it declares that a product is in conformity with the applicable legislations, without the mandatory intervention of a third

party neither in the design stage, nor in the production stage of the manufacturing process. A declaration may depend on testing the product in accordance with the relevant legislation.

Placing on Market: Launching a product for the first time a product in the Saudi market for which the manufacturer/supplier is responsible.

Making Available on the Market: Any supply of the product for distribution, consumption or use in the Kingdom, in the course of a commercial activity, whether in return for payment or free of charge.

Withdrawal: Any procedure that aims at preventing or restricting the use of a product in the market or in a supply chain.

Recall: Any procedure that aims to recall products made available for the end-user.

Building (Construction) Materials: Any product or equipment (kit) manufactured and placed on the market for the purpose of sustainable integration into construction work or parts thereof, the performance has an impact on the construction work with respect to the essential requirements of health, safety and environment.

Kit: Construction materials produced by the manufacturer and placed on the market in the form of a set of – at least – two separate parts, where their installation in the construction requires the parts to be combined.

Construction: Residential and service buildings, and various civil engineering constructions such as bridges, tunnels, airports, ports, drinking water-supply networks, water pumping stations, sanitation systems/networks, water purification and treatment plants, dams, and irrigation projects.

Essential Requirements: Requirements for products used in construction (building) works, that may affect safety, health, environment, and other requirements imposed by KSA, which must be adhered and to and are determined by this regulation.

Main Characteristics (Properties): Main technical properties (indicated in the relevant standards) of building materials related to the main requirements of the constructions.

Performance of Construction Materials: Technical characteristics/properties related to the relevant main characteristics expressed by defining the level, category, or description.

1/2 The terms and expressions specified herein shall have the meanings specified in the applicable laws, regulations, and decrees of SASO.

Article (2) Scope

This regulation applies to brick, tile and ceramic products, marble and stone (natural and industrial), sanitary ware, and related products (ceramic tiles, natural marble tiles, clay inclined roof tiles (backed bricks), ceramic and non-ceramic sanitary ware, and bricks), in accordance with the relevant definitions and terms set out in Article (1) and the relevant standards listed in Annex (1).

Cement tiles and bricks are excluded from the scope of this regulation.

Article (3) Objectives

This regulation aims to lay out the essential requirements for bricks, tiles, ceramics, marble and stone (natural and industrial), sanitary ware, and related products, designed for use in constructions and buildings; included in the scope of this regulation, and to identify the conformity assessment procedures with which suppliers shall comply, in order to ensure the conformity of such products to the basic requirements aimed at preserving the environment, maintaining the health and safety of the consumer, and facilitating market surveillance procedures.

Article (4) Obligations of Supplier

The supplier shall adhere to the following requirements:

4/1 General Main Requirements for the Product used in Construction (building) Works

Products subject to this regulation, designed for construction works in general, or in their separate parts, shall be suitable for the purpose for which they were designed, taking into consideration, in particular, the health and safety of product users and building users in all stages of the construction works, including regular maintenance work, so that the product meets the technical requirements indicated in the Saudi Standards mentioned in Annex (1), to ensure that the construction meets the following main requirements:

Note: The obligations of supplier stipulated in this regulation do not include the requirements of planning, design, execution and monitoring for construction works, and are limited to the obligation of supplier regarding building materials included in the scope of this regulation.

4/1/1 Mechanical Resistance and Stability

The product - which is included in the design and building of constructions - shall be designed and manufactured to ensure that it withstands all designed loads during construction and usage periods, in order to avoid the following risks:

- A) Total or partial collapse of the structures.
- B) Occurrence of significant distortions (deviations) beyond the acceptable limits.
- C) Damage to other parts of the structure, fixtures or equipment, as a result of large distortions (deviations) in the supporting structural elements.
- D) Damage resulted from occasional accidents, which are severe compared to their causes.

4/1/2 Safety in case of Fires

The product - which is included in the design and building of constructions - shall be designed and manufactured, whether separately or integrated with other building materials within the constructions, to ensure - in case of fire – the following:

- A) Endurance of bearing/supporting structural elements during the specified period of time.
- B) Reducing the spread of fire and smoke within the constructions.
- C) Reducing fire spread to adjacent constructions.
- D) Enabling construction residents to leave safely or providing them with aids.
- E) Taking into consideration the safety of rescue teams.

4/1/3 Sustainable Use of Natural Resources

The product - which is included in the design and building of constructions - shall be designed and manufactured in such a way to achieve the sustainable use of natural resources, in order to guarantee the following in particular:

- A) Reuse or recycling the constructions materials and parts after being demolished.

- B) Constructions sustainability.
- C) Use of primary and secondary raw materials that are compatible with the environment.

4/1/4 Health, Safety, and Environment

The product - which is included in the design and building of constructions - shall be designed and manufactured in a way not to pose a risk to health and safety of workers, residents, or its vicinity. The product shall not leave a noticeable impact on the environment or climate throughout the life cycle of the construction, whether during construction, use, or demolition. Furthermore, the product shall not cause, directly or indirectly, any of the following risks:

- A) Emissions of hazardous substances, volatile organic compounds (VOC), greenhouse gases or harmful particles in air, whether inside or outside the building.
- B) Hazardous radiation emissions.
- C) Water or soil pollution or poisoning.
- D) Poor drainage of wastewater and smoke.
- E) The presence of moisture in any part of the construction or on its surfaces, or absorption, at any proportions that threaten the sustainability of the safety of the product.

4/1/5 Usage Safety

The product shall be designed and manufactured to ensure that the design and building of the construction - in which the product is included - does not represent any unacceptable risk of accidents during service or operation, such as slipping, falling, collision, fire or death, resulting from electric shock, or injury as a result of an explosion, taking into consideration that it is usable by persons with special needs.

4/1/6 Noise Prevention

The product - which is included in the design and building of constructions - shall be designed and manufactured in such a way that the level of noise felt by the residents or neighbors is reasonable enough to not harm their health, and allows them to sleep, rest, and work in appropriate conditions.

4/1/7 Energy Rationalization and Thermal Insulation

The product shall be designed and manufactured in such a way to ensure that the design and execution of construction works - including heating, cooling and ventilation systems and equipment - achieve acceptable

levels of energy conservation necessary for use, taking into consideration the climatic conditions of the location, and the comfort of the occupants of the building. The product shall ensure the efficiency of constructions in terms of energy consumption during use, construction works, and demolition or dismantling works.

4/2 Technical Requirements

To meet the requirements of this regulation, the supplier shall fulfill the main characteristics of the products included in the scope of this regulation, which are used in constructions and buildings, as follows:

- 4/2/1 Product fulfillment of the technical requirements set out in the standards listed in Annex (1) of this regulation, whether separately or integrated with other building materials within the constructions, as the conformity of the product included in this regulation to the related standards is deemed as sufficient evidence that this product meets its main requirements, which are specified in this regulation.
- 4/2/2 Provide an effective environmental management system at the plant (the plant certified as the Environmental Management System according to (ISO 14001) shall be considered as have met the requirements of this section.

4/3 Metrological Requirements

International system of units (SI Units), their multipliers or parts shall be used during design, manufacturing, or trading of the product.

4/4 Packaging Requirements

- 4/4/1 Ensuring that the packaging of the products covered by this Technical Regulation is according to the packaging requirements stipulated in the relevant standards.
- 4/4/2 Ensuring that the product packaging materials are free of lead or heavy metals.
- 4/4/3 Ensuring that the containers or plastic packaging materials of the product are labelled with degradable plastic card if the materials are included in the scope of Degradable Plastic Products regulation, or recycling symbol in case of using recyclable plastic packages.

Article (5) Labeling

Labels and markings of the product; intended to be placed and offered in the market for the use in constructions and buildings, shall be as follows:

- 5/1 Name of the supplier and the commercial register (record) shall be written.
- 5/2 Labels on the product shall be in accordance with the technical requirements of this regulation and the relevant standards set out in Annex (1) of this regulation.
- 5/3 All information used in labeling shall be valid, proven, and verifiable.
- 5/4 Country of origin.
- 5/5 Storage requirements.
- 5/6 Product's validity period and batch number - if required.
- 5/7 Images and phrases used on the product packaging shall not violate the public law, morals, and the Islamic values prevailing in the KSA.

Article (6) Conformity Assessment Procedures

- 6/1 Only the requirements of conformity assessment procedures set out in this technical regulation shall be adhered to. Any other requirements concerning this matter in any standard shall be disregarded.
- 6/2 The supplier – responsible for placement of ceramics tiles in the market – shall obtain the Saudi quality mark or its equivalent of recognized marks in the KSA.
- 6/3 The supplier – responsible for placement of the rest of the products in the market – shall obtain a Certificate of Conformity issued by a Notified Body approved by SASO, in accordance with the conformity assessment model (Type 3) as described in Annex (2).
- 6/4 Notified Bodies shall implement the conformity assessment procedures according to the specified model, in order to ensure fulfillment of the requirements of the Technical Regulation and relevant Saudi standards set out in Annex (1).
- 6/5 The product shall be accompanied by a technical file, which includes the following:
 - A) Supplier (manufacturer/importer) Declaration of Conformity in accordance with the attached form in Annex (3).
 - B) Risk assessment document.
 - C) Country of origin.
- 6/6 The supplier shall cooperate with the Regulatory Authorities and Market Surveillance Authorities by providing the technical file, Certificates of Conformity, and any other documents proving the

conformity of the product with the requirements of this Technical Regulation, when required.

- 6/7 Products, subject to this regulation, that bear the Saudi Quality Mark, or its equivalent, shall be deemed to be complying with the requirements set forth in this Technical Regulation.

Article (7) Responsibilities of Regulatory Authorities

Regulatory Authorities, as a part of their competence, shall carry out the following:

- 7/1 Regulatory Authorities shall verify that bricks, tiles, ceramics, marble, stones (natural and industrial), sanitary ware, and relevant products, designed to be used in constructions and buildings; intended for construction and building works; and subject to this regulation, fulfill the requirements of the specified conformity assessment procedures and technical documents attached with consignments in ports and factories.
- 7/2 Regulatory Authorities have the right to periodically and randomly collect samples of products from the point of production, and to send such samples to the competent laboratories to ascertain the extent of the conformity with the requirements set out in this Technical Regulation.
- 7/3 Regulatory Authorities have the right to charge the suppliers (manufacturers/importers) with the costs of tests and associated fees.
- 7/4 In case of non-conformity of the product, Regulatory Authorities shall withdraw the concerned products from warehouses, and take the necessary legal actions.

Article (8) Responsibilities of Market Surveillance Authorities

Market Surveillance Authorities, as part of their competence, shall carry out the following:

- 8/1 Enforce the market surveillance procedures on the products in markets and the products stored in warehouses, in order to check the product's safety and the extent of fulfillment of the requirements stipulated in this Technical Regulation and relevant standards.
- 8/2 Sampling the product, whether from the market or warehouses of suppliers (manufacturers and importers), in order to conduct the

necessary tests and to verify the conformity of such products with the requirements set out in this Technical Regulation.

- 8/3 In case of non-conformity of – displayed or stored – products with the requirements of this Technical Regulation, Market Surveillance Authorities shall take all administrative actions including withdrawal and recall of such products. Procedures and penalties – stipulated in Article (9) – shall be applied after taking the necessary actions.

Article (9) Violations and Penalties

- 9/1 It is prohibited to manufacture, import, launch, or even advertise the products non-conforming with the requirements of the articles stipulated in this Technical Regulation.
- 9/2 Failure to meet the requirements of this Regulation shall be a sufficient reason for Market Surveillance Authorities and Regulatory Authorities to consider the product as non-conforming, which may pose a risk to the health and safety of consumers and to the environment, including, but not limited to:
- A) Non-fixing or improper fixing of conformity labels, Saudi Quality Mark, or its equivalent.
 - B) Failure to issue or improper issuance of the Certificate of Conformity or the Supplier Declaration of Conformity; or if any contains incorrect information.
 - C) Unavailability or incompleteness of the technical documents.
 - D) Unavailability or incompleteness of product data/labels, safety guidelines, usage instruction, or information related to hazardous materials.
- 9/3 In case of a violation of the provisions hereof, Market Surveillance Authorities shall take all necessary actions to eliminate such violations, and their effects from the market. To this end, Market Surveillance Authorities may:
- A) Mandate the violating party – that is responsible for placing and offering of the product – to withdraw the product from the warehouses or markets in order to remedy such violations, if possible. The product may be exported or destroyed (according to the nature of the product) within the period specified by the Market Surveillance Authorities.
 - B) Withdraw, restrain or destroy the products, or take any other necessary action to recall such products from the markets. In

addition, as the case may be, Market surveillance Authorities may announce the withdrawal of the product from the markets, and the violating party shall bear all associated expenses.

- C) Deal with non-conforming products covered by this regulation in accordance with laws and regulations applicable in the Regulatory Authorities and Market Surveillance Authorities.
- 9/4 In case of non-conformity of the products, SASO shall take the necessary actions concerning products non-conforming with the requirements herein, including the cancellation of the relevant Certificate of conformity, while taking the necessary measures with the notified body, which issued the certificate.
- 9/5 Without prejudice to any other law, a party that violates any of the provisions hereof shall be subject to the penalties stipulated in applicable Anti-Commercial Fraud Law or any other superseding law.

Article (10) General Provisions

- 10/1 Supplier shall bear full legal responsibility for the implementation of the requirements of this Technical Regulation, and shall be subject to the penalties stipulated in the Anti-Commercial Fraud law and/or any other related laws, in case any violation of the articles herein is proven.
- 10/2 This Technical Regulation shall not impede the supplier to comply with all other systems/regulations applicable in the Kingdom of Saudi Arabia; pertaining to trading, transporting, or storing the product, in addition to the rules/regulations related to the environment, security, and safety. In addition, adhering to the requirements of this regulation shall not preclude compliance with the requirements of the Saudi Building Code.
- 10/3 Suppliers of bricks, tiles, ceramics, or sanitary ware; subject to provisions of this regulation, shall provide the inspectors of the Regulatory and Market Surveillance Authorities with all necessary information, when required, to carry out their assigned tasks.
- 10/4 Where new originated cases that cannot be treated under the provisions herein or where a dispute arises as a result of the application of such provisions, such matter shall be referred to the competent committee in SASO, in order to issue a proper

resolution regarding the case or dispute, while taking the public interest into consideration.

- 10/5 The supplier may submit a new request after elimination of the reasons of rejection for the conformity assessment procedures request, and after the necessary corrections have been made. The supplier shall be responsible for any additional expenses determined by SASO.
- 10/6 SASO shall examine the complaints received regarding the products having a Certificate of Conformity or a Quality Mark, if any, verify the validity of such complaints, and take the necessary legal actions in case of any violations.
- 10/7 SASO has the right to cancel the Certificate of Conformity or the Quality Mark license, if any, if the supplier violates the provisions herein, and shall take the legal actions to ensure the preservation of the rights of SASO.
- 10/8 If any modifications were made to the product during the validity period of the Certificate of Conformity, or the Quality Mark license, if any, (except for morphological modifications), the certificate, license, or the Supplier Declaration of Conformity for this product shall be annulled, and a new request shall be submitted.
- 10/9 SASO shall, exclusively, have the right to interpret the articles herein. All beneficiaries of the application of this Technical Regulation shall adhere to the interpretations issued by SASO.

Article (11) Transitional Provisions

- 11/1 The supplier shall adhere to the provisions of this Technical Regulation within six months as of the date of publication in the Official Gazette.
- 11/2 Products, not complying with the requirements of this Technical Regulation, shall not be traded after one year as of the date of publication in the Official Gazette.
- 11/3 This Technical Regulation, once adopted, shall supersede all the preceding regulations related to the scope of this regulation.

Article (12) Publication

This Technical Regulation shall be published in the Official Gazette.

Annex No. (1)

A) list of bricks, tiles, ceramics, and sanitary ware products and relevant standards

	Product	Title in Arabic	Title in English	Standard No.
1	Ceramics Tiles	بلاط السيراميك - الجزء الأول: أخذ العينات وقواعد القبول	Ceramic tiles -- Part 1: Sampling and basis for acceptance	SASO-ISO-10545-1
		بلاط السيراميك - مونة مائعة ومواد الالتصاق - الجزء الأول: المصطلحات، التعاريف والاشتراطات الفنية لمواد الالتصاق	Ceramic tiles -- Grouts and adhesives -- Part 1: Terms, definitions and specifications for adhesives	SASO-ISO-13007-1
		بلاط السيراميك - مونة مائعة ومواد الالتصاق - الجزء 3: المصطلحات والتعاريف والاشتراطات الفنية للمونة المائعة	Ceramic tiles -- Grouts and adhesives -- Part 3: Terms, definitions and specifications for grouts	SASO-ISO-13007-3
		بلاط السيراميك التعاريف، والخصائص والبيانات الإيضاحية.	Ceramic tiles -- Definitions, classification, characteristics and marking	SASO-ISO-13006
2	Roof Clay Tiles	بلاط الأسطح المائلة الطيني "ووصلاته" القرמיד	Pitched roofs clay tiles and fittings.	SASO-1812
		مواصفات بلاط السقف	standard specification for roofing slate	SASO-ASTM-C406
		مواصفات بلاط الجدران الحامل المصنوع من الطين الإنشائي.	standard specification for structural clay load-bearing wall tile	SASO-ASTM-C34
		المواصفة الفنية للبلاط الطيني غير المحمل الإنشائي	standard specification for structural clay	SASO-ASTM-C530

	Product	Title in Arabic	Title in English	Standard No.
			nonloadbearing screen tile	
		مواصفات بلاط الواجهات من الطين للمنشآت	standard specification for structural clay facing tile	SASO-ASTM-C212
		المواصفات لبلاط غير الحامل التركيبية الطينية	standard specification for structural clay nonloadbearing tile	SASO-ASTM-C56
3	Ceramic Sanitary Ware	المراحيض الغربية ذات الطرد المزدوج	western water closets equipped with a dual flushing device	SASO 2922
		الأدوات الصحية الخزفية – المراحيض الغربية	ceramic sanitary appliances - western water closets	SASO-1473
		الأدوات الصحية الخزفية - المراحيض الشرقية والأكواع.	Ceramic sanitary appliances: Eastern water closets and traps.	SASO-1258
		الأدوات الصحية الخزفية - المتطلبات العامة	Ceramic sanitary appliances - General requirements.	SASO-1025
		الأدوات الصحية الخزفية - الشطافات (البيديهات)	Ceramic sanitary appliances - bidets.	SASO-GSO-EN-14528
		الشطافات (البيديهات) المعلقة بالحائط والمزودة بالماء من أعلى الحافة – أبعاد التوصيل	Pedestal and wall-hung bidets with over-rim supply. Connecting dimensions	SASO-GSO-EN-35
		الشطافات (البيديهات) بقاعدة؛ المزودة بالماء من	Pedestal and wall-hung bidets with	SASO-GSO-EN-35

	Product	Title in Arabic	Title in English	Standard No.
		أعلى الحافة - أبعاد التوصيل	over-rim supply. Connecting dimensions	
4	Sanitary Ware	الأدوات الصحية - الصنابير: ليات المراوش والشطافات	Sanitary appliances- tapware: shower and spray hoses.	SASO-1913
		الأدوات الصحية - عدة صناديق الطرد	Sanitary appliances- flushing apparatus.	SASO-1480
		الأدوات الصحية - المغاسل - المتطلبات الوظيفية وطرق الاختبار	Sanitary appliances - Wash basins – Functional requirements and test methods	SASO /GSO / EN 14688
		الأدوات الصحية: مواصفات مغاطس الجاكوزي	Sanitary appliances - Specification for whirlpool baths	SASO-GSO-EN- 12764
		الأدوات الصحية - صناديق الطرد	Sanitary appliances - flushing water tanks.	SASO-1257
		الأدوات الصحية - أجهزة الطرد المضغوطة.	sanitary appliances pressurized flushing devices	SASO-1477
		الأدوات الصحية - المتطلبات العامة لقطع التركيبات الصحية	Sanitary appliances: general requirements for plumbing fixture fittings	SASO-2655
		الأدوات الصحية أحواض الاستحمام المصنوعة من الواح الإكريليك المصبوبة مقاطعة الترابط صواني الاستحمام وأحواض الاستحمام للأغراض	Sanitary appliances - Cross-linked cast acrylic sheets for baths and shower trays for domestic purposes	SASO-EN-263

Product	Title in Arabic	Title in English	Standard No.
	المنزلية		
	الأدوات الصحية أحواض الاستحمام المصنوعة من ألواح أكريلونيتريل (ABS) بيوتادايين ستيري الإكريليك المبتوقة بالصدم / المطور - المتطلبات وطرق الاختبار	Sanitary appliances - Baths made from impact modified coextruded ABS/acrylic sheets - Requirements and test methods	SASO-EN-15719
	المواصفة الفنية لألواح الإكريليك المبتوقة بالصدم المطور لصواني الاستحمام للأغراض المنزلية	specifications for impact modified extruded acrylic sheets for shower trays for domestic purposes	SASO-EN-13558
	الأدوات الصحية - أحواض الاستحمام المصنوعة من ألواح الإكريليك المصبوبة - متقاطعة الترابط - المتطلبات وطرق الاختبار	sanitary appliances - baths made from cross-linked cast acrylic sheets - requirements and test methods	SASO-EN-198
	أحواض الاستحمام للأغراض المنزلية المصنوعة من مادة الإكريليك	baths for domestic purposes made of acrylic material	SASO-GSO-2012
	أحواض الاستحمام (المغاطس) أبعاد التوصيل	Baths - Connecting dimensions	SASO-EN-232
	الأدوات الصحية - صواني الاستحمام المصنوعة من صفائح الإكريليك المسبوكة - المتطلبات وطرق الاختبار	sanitary appliances - shower trays made from cross-linked cast acrylic sheets - requirements and test methods	SASO-GSO-249
	المغاسل ذات القاعدة - أبعاد التوصيل	Wash basins. Connecting dimensions	SASO-GSO-EN-31

	Product	Title in Arabic	Title in English	Standard No.
		المغاسل المعلقة على الحائط - أبعاد التوصيل	Wash basins. Connecting dimensions	SASO-GSO-EN-32
		المغاسل المعلقة على الحائط لغسل الأيدي - أبعاد التوصيل	Wash basins. Connecting dimensions	SASO-GSO-EN-111
5	Bricks or Tiles	مواصفات بلاط الصرف الرملي وبلاط الصرف الرملي المثقوب	Standard Specification for Clay Drain Tile and Perforated Clay Drain Tile	SASO-ASTM-C4
		مواصفة بلاط الواجهات الإنشائي الخزفي المزجج من الطين وطوب الواجهات ووحدات المباني المصمتة	Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	SASO-ASTM-C126
		مواصفات لبناء طوبية (وحدات البناء الصلبة المصنوعة من الطين أو السجيل)	Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)	SASO-ASTM-C62
		مواصفة الطوب المفرغ (وحدات البناء المفرغة المصنوعة من الطين أو الطفل)	Standard Specification for Hollow Brick (Hollow Masonry Units Made From Clay or Shale)	SASO-ASTM-C652
		مواصفة الفنية لطوب الواجهات (وحدات البناء المصمتة المصنوعة من الطين أو الطفلة)	Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	SASO-ASTM-C216

	Product	Title in Arabic	Title in English	Standard No.
		المواصفة الفنية للطوب المزجج (الحرق لمرة واحدة، وحدات الطوب)	Standard Specification for Glazed Brick (Single Fired, Brick Units)	SASO-ASTM-C1405
		المواصفة الفنية للطوب العازل درجة الحرارة العالية للطوب أو البلاط	standard specification for brick, insulating, high temperature, fire clay	SASO-ASTM-F1312
6	Natural Stone and Marble	مواصفات أبعاد حجر الجرانيت	standard specification for granite dimension stone	SASO-ASTM-C615
		المواصفات الفنية لحجر السربنتين المنحوت	standard specification for serpentine dimension stone	SASO-ASTM-C1526
		المواصفات الفنية لحجر التّرا فيرتين المنحوت	standard specification for travertine dimension stone	SASO-ASTM-C1527
		مواصفة الحجر المعماري المصبوب	standard specification for architectural cast stone	SASO-ASTM-C1364
		المواصفات الفنية لحجر الرخام المنحوت	standard specification for marble dimension stone	SASO-ASTM-C503
		مواصفة الحجر الصفانحي (الإردواز) المنحوت	standard specification for slate dimension stone	SASO-ASTM-C629
		مواصفة الحجر الجيري المنحوت	standard specification for limestone dimension stone	SASO-ASTM-C568

	Product	Title in Arabic	Title in English	Standard No.
		المواصفة القياسية للجير الحي والجير المطفأ والحجر الجيري للاستخدامات البيئية	standard specification for quicklime, hydrated lime, and limestone for environmental uses	SASO-GSO-ASTM-C1529
7	Industrial Stone and Marbel	مواد الأسطح الصلبة التي أساسها مواد راتنجية من الإكريليك أو من عديد الأستر أو من خليط من الإكريليك و عديد الأستر منتجات الألواح	acrylic, polyester, and mixed acrylic-polyester resin based solid surface material - sheet products	SASO 2270

Note:

The List of Standard Specifications mentioned in this annex, regarding products of bricks, tiles, ceramics, marble, stone (natural and industrial), sanitary ware and related products, which are designed to be used in constructions and buildings, and related materials, is subject to revision, and only available list may be used at the time of publication. The suppliers are responsible for ensuring that they are using the latest version of the standards mentioned in lists.

B) List of Products and Customs Codes

Product	Customs Codes			
Paving Stones	680100100001	680100100002	680100100003	680100200001
	680100200002	680100200003	680100300001	680100300002
	680100300003	680100400001	680100400002	680100400003
	680100900001	680100900002	680100900003	680300100005
	680300100004	681019210003	681019210006	
Roof Sheets	680291700001	680291700002	680291700003	680291700004
	680291700005	680291700006	680291700007	680291700008
	680291700009			
Tiles and Checks	681019220000	681019230000	690740000000	680210000004
	680300100001	680300100002	690730000000	690723000000
	680210000001	680210000002	680210000003	690722000000
	690721000000	690490000001		
Backed Bricks	680300100003	681019100000	681019100003	690510000000
Bricks	680300100005	680300100002	680300100003	680300100004
	690290000006	690290000007	690410000001	690410000002
	690410000003	690410000004	690410000005	690490000002
	681011000003			
Sanitary Ware and Accessories	680291210001	680291210002	680291210003	680291220001
	680291220001	680291220003	680291290001	680291290002
	680291290003	680293000007	680293000008	680293000009
	680292000008	680292000009	680299000008	680299000009
	680299000007	680300900007	680300900008	680300900009
	392210000001	392210000002	392210000003	392210000004
	691010000003	691010000004	691010000005	691010000006
	392290000001	392290000002	691010000001	691090000000
	741820000002	750890600001	750890600002	750890600006
	741820000001	761520000001	761520000003	732429000000
	732410000001	732410000002	732420000000	732421000000
	691010000002			
	680221000001	680221000002	680221000006	680221000007
	680221000005	680221000003	680221000004	680221000008

Natural Stone	680221000010	680221000014	680223000003	680221000009
	680221000011	680221000015	680223000004	680229000002
	680221000012	680223000001	680223000005	680229000003
	680221000013	680223000002	680229000001	680229000004
	680229000005	680291100004	680291100010	680291400002
	680291100001	680291100005	680291100012	680291400003
	680291100002	680291100006	680291100013	680291400004
	680291100003	680291100007	680291100014	680291400005
	680291400007	680291100008	680291100015	680291400006
	680291400008	680292000001	680291100016	680292000012
	680291400009	680292000002	680293000001	680292000013
	680293000012	680292000004	680293000002	680292000014
	680293000013	680292000005	680293000004	680300900001
	680293000014	680292000006	680293000005	680300900002
	680299000001	680292000007	680293000006	680300900003
	680299000002	680300900012	680300900005	680300900004
	680299000004	680300900013	680300900006	680299000006
	680299000005	680300900014		

Annex No. (2)

Conformity Assessment Form (Type 3) as per ISO/IEC 17067

(Type Approval Based on Quality Assurance of Production Process)

1- Type Approval Based on Quality Assurance the Production Process

A model of conformity assessment procedures, by which the supplier fulfills the obligations set out in the items below, while ensuring and acknowledging - on its sole responsibility - that the concerned products are in conformity with the type specified in the Type Approval Certificate and comply with the requirements of the relevant technical regulations.

2- Manufacturing

The supplier shall operate with a certified Product Safety Management System, to ensure the safety of the product, including production lines, final inspection and testing of the concerned products as per Clause (3), and shall be subject to periodic surveillance as per Clause (4).

3- Product Safety Management Law

3/1 The supplier shall submit a request to a Notified Body of its choice, in order to evaluate the safety management law of concerned products.

The request shall include:

- A) Name and address of the supplier, and the name and address of the official representative, in case the representative submits the request.
- B) The manufacturer shall be officially licensed by the relevant authorities in the country of origin.
- C) A written declaration not to submit the same request to any other Notified Body.
- D) All relevant information regarding the concerned product category.
- E) Documentation of the Product Safety Management Law.
- F) Technical documents of the certified type, and a copy of the Type Approval Certificate.

3/2 The Product Safety Management Law shall guarantee that the manufactured products are in conformity with the type specified in the Type Approval Certificate, and with the requirements of the relevant technical regulations.

- 3/3 All elements and requirements of Product Safety Management Law - adopted by the supplier - shall be documented in a systematic and orderly manner in a form of written policies, procedures and instructions. The documents of the Product Safety Management Law shall provide a consistent understanding of the safety programs, plans, manuals and records. Such documents shall contain, in particular, an adequate description of the following:
- A) Quality objectives, organizational structure, responsibilities and competences of the management regarding the safety of the product.
 - B) Manufacturing techniques, product safety and quality assurance procedures, and applied processes and procedures.
 - C) Executed inspections and tests; before, during, and after manufacturing, and the frequency with which they will be carried out.
 - D) Records: such as inspection, testing, calibration reports, and the qualification documents of relevant personnel, etc.
 - E) Means of control for achieving the required product safety and the effective operation of the Product Safety Management Law.
- 3/4 The Notified Body, approving the Product Safety Management Law, shall assess such law to determine whether it satisfies the requirements referred to in Clause (3/3), during the period of the approval of the law, which shall be three years.
- 3/5 The product shall be presumed to comply with the requirements of the technical regulations, in relation to the items of the Product Safety Management Law, whenever it conforms to the standards.
- 3/6 In addition to experience in the relevant product safety, the auditing team shall have one technical expert - at least – who is experienced in the assessment of the field and techniques of manufacturing of the product, and is fully aware of the technical requirements stipulated in the relevant technical regulations.
- 3/7 The audit shall include an assessment visit to the plant. The auditing team shall review the technical documents referred to in Clause (3/3), in order to verify the manufacturer's ability to identify the requirements of the technical regulations and carry out the necessary examinations and tests to ensure compliance of the product with these requirements.
- 3/8 The manufacturer shall be notified of the decision after the end of the assessment, provided that such notice include audit findings, assessment decision, along with the justifications on which the decision was based.

- 3/9 The manufacturer shall be committed to satisfy the obligations of the Product Safety Management Law, as approved, and to maintain the law so that it remains adequate and efficient.
- 3/10 The manufacturer shall notify the conformity assessment body, which approved the Product Safety Management Law, of any proposed modifications to the law.
- 3/11 The Notified Body shall evaluate any proposed modifications and decide whether the modified Product Safety Management Law will continue to satisfy the requirements referred to in Clause (3/3) or a reassessment is necessary. The Notified Body shall notify the manufacturer of its decision; the notification shall include testing results along with the justifications of the assessment decision.
- 4- Periodic Surveillance Under the Responsibility of the Notified Body**
- 4/1 The purpose of periodic surveillance is to verify the extent of which the supplier meets the obligations of the certified Product Safety Management Law.
- 4/2 For assessment purposes, the supplier shall allow the Notified Body, during the validation period, to enter the manufacturing, inspection, testing and storage sites. The supplier shall provide the Notified Body with all necessary information, particularly, the Product Safety Management Law documents and safety records, such as testing and calibration reports, and the qualification documents of relevant personnel, etc.
- 4/3 The Notified Body shall carry out periodic audit visits to verify that the manufacturer applies and maintains the Product Safety Management Law, and shall provide the supplier with an audit report.
- 4/4 The Notified Body have the right to perform unexpected visits to the plant. During such visits, the Notified Body may, as necessary, carry out product tests, or have them carried out by a third party, in order to verify that the Product Safety Management Law is properly functioning. The Notified Body shall provide the supplier with an assessment report, and testing reports, in case of testing.
- 5- Certificate of Conformity and Declaration of Conformity**
- 5/1 The Notified Body shall issue a Certificate of Conformity for the product in case the supplier has an effective and certified Product Safety Management Law, upon the request of the supplier, within the validity period.
- 5/2 The Notified Body shall identify the product details in each request, clarify such details in the issued Certificate of Conformity, and record them in the electronic portal for conformity (in SASO).

- 5/3 The supplier shall provide a written Declaration of Conformity for each approved product type (Type Approval), and shall put it at the Regulatory Authorities and Market Surveillance Authorities disposal for a period of ten (10) years, at least, after the placement of the product in the market. The Declaration of Conformity of the supplier shall identify the approved product type. Furthermore, a copy of the Certificate of Conformity and the Declaration of Conformity shall be put at the Regulatory Authorities and Market Surveillance Authorities disposal request.
- 5/4 The supplier shall put the following documents at the Regulatory Authorities and Market Surveillance Authorities disposal, for a period of ten (10) years, at least, after placement of the product in the market:
- Documentation referred to in Clause (3/3).
 - The amendments referred to in Clause (3/9), as approved.
 - Decisions and reports of the Notified Body, referred to in Clause (3/7).
- 5/5 Each Notified Body shall inform the Regulatory Authorities and Market Surveillance Authorities of issued or withdrawn Product Safety Management Law approvals, and shall periodically or upon request, provide lists of Product Safety Management Law approvals that have been rejected, suspended, or restricted by any means; on a regular basis or upon request. Each Notified Body shall inform, upon request, the other Notified Bodies of Product Safety Management Law approvals it has rejected, suspended, withdrawn, or restricted; and notify such bodies of Product Safety Management Law approvals issued by it.

Annex No. (3)

Supplier Declaration of Conformity

This form shall be filled in on company's official papers

1) Supplier's Details:

Name:-----

Address:-----

Contact Person:

Email: -----

Tel.: -----

Fax: -----

2) Product Details:

- Trademark: -----

- Model: -----

- Description: -----

- Type (as per Standards): -----

- Reference Standards/ Technical Standards: -----

We declare that the above mentioned product is in conformity to the Saudi Technical Regulation () and the Saudi Standards attached thereto.

Person in Charge: -----

Company Name: -----Signature: -----

----- Date: --/--/-----