

Technical Regulations TR EEU 042/2017

In accordance with Article 52 of the Treaty on the Eurasian Economic Union dated 29 May 2014 and Paragraph 29 of Annex No. 1 to the Rules of Procedure of the Eurasian Economic Commission, approved by Decision No. 98 of the Supreme Eurasian Economic Council dated 23 December 2014, the Council of the Eurasian Economic Commission **decided:**

1. To adopt the attached Technical Regulation of the Eurasian Economic Union "On the Safety of Equipment for Children's Playgrounds" (TR EAEU 042/2017).
2. To establish that the Technical Regulation of the Eurasian Economic Union "On the Safety of Equipment for Children's Playgrounds" (TR EAEU 042/2017) shall enter into force upon the expiry of 18 months from the date of its adoption.
3. This Decision shall enter into force upon the expiry of 30 calendar days from the date of its official publication.

Members of the Council of the Eurasian Economic Commission:

From the Republic of Armenia	From the Republic of Belarus	From the Republic of Kazakhstan	From the Kyrgyz Republic	From the Russian Federation
V. Gabrielyan	V. Matushevsky	A. Mamin	O. Pankratov	I. Shuvalov

ADOPTED
by Decision of the Council
of the Eurasian Economic Commission
dated 17 May 2017 No. 21

TECHNICAL REGULATION **of the Eurasian Economic Union "On the Safety of** **Equipment for Children's Playgrounds" (TR EAEU 042/2017)**

I. Scope of Application

1. This Technical Regulation establishes safety requirements for equipment and/or surfacing for children's playgrounds and the related processes of design, manufacture, installation, operation, storage, transportation and disposal.
2. This Technical Regulation applies to equipment and/or surfacing for children's playgrounds placed on the market of the customs territory of the Eurasian Economic Union (hereinafter referred to as the Union) for the first time and installed in open areas or enclosed premises, according to the list set out in Annex No. 1.
3. This Technical Regulation has been developed to protect human life and/or health, property and the environment and to prevent actions that mislead consumers.
4. This Technical Regulation does not apply to:
 - a) equipment and/or surfacing for children's playgrounds manufactured and commissioned before this Technical Regulation entered into force;
 - b) sports equipment and products intended for training and physical education, sports and tourism;

c) amusement rides covered by the Technical Regulation of the Eurasian Economic Union "On the Safety of Amusement Rides" (TR EAEU 038/2016), adopted by Decision No. 114 of the Council of the Eurasian Economic Commission dated 18 October 2016;

d) Toys.

5. If other Technical Regulations of the Union (Customs Union) have been adopted with regard to equipment and/or surfacing for children's playgrounds and establish requirements applicable to them, such equipment and/or surfacing shall comply with the requirements of all Technical Regulations of the Union (Customs Union) applicable to them.

II. Basic Terms

6. For the purposes of applying this Technical Regulation, the terms provided for by the Protocol on Technical Regulation within the Eurasian Economic Union (Annex No. 9 to the Treaty on the Eurasian Economic Union dated 29 May 2014), as well as the following terms, shall be used:

"age group" – a group of children of a specific age with similar height, weight, physical strength and level of intellectual development;

"children's playground" – a specially equipped area intended for children to play, including the relevant equipment and surfacing;

"children's play complex" – multifunctional equipment for a children's playground consisting of several structures;

"life cycle of the equipment and/or surfacing" – the period from the beginning of design to the completion of operation of the equipment and/or surfacing, including, among other things, manufacture, storage, transportation, installation, modernization, repair, maintenance and disposal;

"fall zone" – the surface onto which a user may fall from the equipment;

"landing zone" – the area of a children's playground in which braking and stopping of a child take place;

"critical fall height" – the maximum height of fall from equipment at which the surfacing provides the required level of impact attenuation;

"assigned service life" – the period of operation of the equipment and/or surfacing and/or their non-replaceable parts, upon reaching which operation of the equipment and/or surfacing shall be discontinued regardless of their technical condition;

"equipment" – equipment installed at a children's playground, with which or on which children may play individually or in a group at their own discretion and according to their own rules;

"passport" – an operational document defining the rules for operating the equipment and containing information certifying the values of the main parameters and characteristics (properties) of the equipment guaranteed by the manufacturer, the warranties and information on its operation during the assigned service life;

"surfacing" – a section of the surface of a children's playground no smaller than the landing zone, used together with the equipment;

"user" – a child using the equipment and/or surfacing as intended, and a person supervising the child;

"seller" – a legal entity or an individual registered as an individual entrepreneur, resident in a Member State of the Union, that sells the equipment and/or surfacing and is responsible for their compliance with the requirements of this Technical Regulation and with the requirements of other Technical Regulations of the Union (Customs Union) applicable to

them;

"child" – a user of a children's playground under 14 years of age;

"repair" – a set of operations to restore the equipment and/or surfacing in order to ensure their serviceability or operability;

"type of equipment and/or surfacing" – products having insignificant differences and manufactured using standard design documentation and standard technological processes;

"impact-attenuating surfacing" – surfacing possessing shock-absorbing properties;

"operator" – a legal entity or an individual, including an individual registered as an individual entrepreneur, operating the equipment and/or surfacing and ensuring their compliance with the requirements of this Technical Regulation from the commissioning of the children's playground;

"operation of the equipment and/or surfacing" – the life-cycle stage from the commissioning of the equipment and/or surfacing until their disposal.

III. Rules for the Identification of the Equipment and/or Surfacing

7. For the purpose of classifying equipment and/or surfacing as objects of technical regulation to which this Technical Regulation applies, interested persons shall carry out identification of the equipment and/or surfacing.

8. Identification of the equipment and/or surfacing shall be carried out by their name and/or Documentation using the visual method.

9. For identification of the equipment and/or surfacing for the purposes of applying this Technical Regulation, shipping documentation, technical

Documentation (design documentation, passport) and/or marking shall be used. Supply contracts, and/or specifications, and/or labels, and/or annotations, as well as other documents characterizing the equipment and/or surfacing, may be used as shipping documentation.

IV. Rules for the Circulation of Equipment and/or Surfacing on the Union Market

10. Equipment and/or surfacing shall be placed on the Union market if they comply with the requirements of this Technical Regulation and other Technical Regulations of the Union (Customs Union) applicable to such equipment and/or surfacing, and provided that they have undergone conformity assessment against the requirements of this Technical Regulation in accordance with Section IX of this Technical Regulation and against the requirements of other Technical Regulations of the Union (Customs Union) applicable to them.

11. Equipment and/or surfacing whose compliance with the requirements of this Technical Regulation has not been confirmed shall not bear the single mark of product circulation on the market of the Union and shall not be permitted to be placed on the Union market.

V. Safety Requirements for Equipment and/or Surfacing at the Design Stage

12. When designing equipment and/or surfacing, the following shall be ensured:

a) compliance of the design documentation with the safety requirements of this Technical Regulation and other Technical Regulations of the Union (Customs Union), if they contain safety requirements applicable to the equipment and/or surfacing;

- b) performance of a set of necessary calculations and tests based on methods certified in accordance with the established procedure;
 - c) selection of materials (raw materials) used in the manufacture of the equipment and/or surfacing, depending on the parameters and conditions of their operation;
 - d) establishment of criteria for limit states;
 - e) establishment of assigned service lives and maintenance and repair periods;
 - f) identification of all hazards associated with possible foreseeable improper operation of the equipment and/or surfacing;
 - g) establishment of restrictions on the operation of the equipment and/or surfacing.
13. The risk during operation of the equipment and/or surfacing shall be calculated taking into account the target age group.
14. Development of the passport is an integral part of the design of the equipment.

VI. Safety Requirements for Equipment and/or Surfacing

15. During the manufacture of equipment and its elements, their compliance with the requirements of the design documentation and this Technical Regulation shall be ensured.
16. During the manufacture of equipment and its elements, the manufacturer shall implement the full range of safety measures specified in the design documentation. At the same time, the possibility of monitoring the performance of all technological operations on which safety

depends shall be ensured.

17. After the equipment is commissioned, the equipment passport shall be kept by the operator.

18. Materials used in the manufacture of equipment and/or surfacing shall not:

a) have a harmful effect on human health and the environment during operation;

б) cause thermal burns upon contact with the user's skin in climatic zones with very high or very low temperatures;

в) be classified as highly flammable materials;

г) be classified as combustion products that are extremely hazardous in terms of toxicity;

д) be materials whose properties have not been sufficiently studied.

19. The hygiene safety indicators of materials used in the manufacture of equipment and/or surfacing shall comply with the requirements specified in Annex No. 2 to this Technical Regulation.

20. Equipment and/or surfacing shall be manufactured in such a way that, when used as intended, they do not pose a danger to the life and health of users.

21. Equipment and its elements shall be designed in such a way that:

a) they correspond to the age group of the children for whom they are intended;

б) the possible risk during play is obvious and easily recognizable to a child;

в) persons supervising children have access to the inside of the equipment to provide assistance to children;

г) water cannot accumulate on the surface of the equipment and free drainage and drying are ensured;

д) cleaning from dust, dirt and debris is accessible and convenient.

22. The age groups (by height and weight) and the strength characteristics of the equipment and its elements shall be specified in the passport for the equipment of the specific type.

23. The design of the equipment:

а) shall ensure strength, stability, rigidity and dimensional stability;

б) shall be protected against corrosion and ageing, taking into account the degree of aggressiveness of the environment and the resistance of the materials used;

в) shall not have protruding elements with sharp ends or edges;

г) shall not have rough surfaces capable of causing injury to the user;

д) shall have protection for the protruding ends of bolted connections;

е) shall have smooth welds;

ж) shall have rounded corners and edges on any part of the equipment accessible to users;

з) shall prevent disassembly without the use of specialised tools;

и) shall be protected against unauthorised access to equipment elements (components) subject to periodic maintenance or replacement;

к) shall have cross-sectional dimensions of equipment elements intended for gripping that allow children to grip them;

л) shall prevent the formation of crushing or cutting surfaces between moving elements, as well as between moving and stationary elements;

м) shall ensure safe distances between moving equipment elements and the surface of the children's playground;

н) shall be equipped with handrails and guardrails;

о) shall not allow the body, body parts or clothing of a child to become trapped;

п) shall have the necessary load-bearing capacity for the loads arising.

24. Enclosed equipment (tunnels, playhouses, etc.) shall have at least 2 open access points that are independent of each other and located on different sides of the equipment. The design of the access points shall prevent them from being blocked and shall ensure that, where necessary, assistance can be provided to children without any additional means.

25. Impact-attenuating surfacing shall be installed throughout the landing zone of the equipment.

26. The free height of fall from the equipment shall take into account the type of impact-attenuating surfacing and possible movements of the child and the elements of the equipment structure. It shall be not more than 3 metres from the surface on which the user stands with their feet to the landing zone and not more than 4 metres from the hand-grip level to the landing zone.

The boundaries of the landing zone shall take into account possible movements of the child and the structural elements.

27. The surfaces of platforms, passageways, ramps and ladders shall prevent slipping under all weather conditions.
28. Impact-attenuating surfacing shall not have hazardous protrusions.
29. When non-loose materials are used as impact-attenuating surfacing, it shall not have areas where parts of a child's body or clothing may become trapped.
30. Impact-attenuating surfacing shall retain its properties regardless of climatic conditions.
31. Under equipment with a free height of fall of more than 60 cm, impact-attenuating surfacing shall be installed throughout the landing zone.
32. The critical fall height shall be equal to or greater than the free height of fall from the equipment.
33. Equipment and/or surfacing shall have an assigned service life established in accordance with Clause 12 of this Technical Regulation.
34. The packaging of equipment and/or surfacing or the relevant shipping documentation shall contain the name of the manufacturer and/or its trademark, the name and designation of the equipment and/or surfacing, information on the age group, the assigned service life, and the designation of the document in accordance with which the equipment and/or surfacing of the specific type was manufactured.

Such information shall be provided in Russian and, where the legislation of a Member State of the Union (hereinafter referred to as the Member State) contains relevant requirements, in the official language(s) of the Member State in whose territory the equipment and/or surfacing is sold.

VII. Ensuring the safety of equipment and/or surfacing during installation, operation, transportation, storage and/or disposal

35. Information on the characteristics and safe operation of the equipment shall be specified in the equipment passport.

36. The equipment passport shall contain the following information:

basic information about the equipment (the name and location (address) of the manufacturer (person authorised by the manufacturer), and the designation of the document in accordance with which the equipment was manufactured);

basic technical data of the equipment;

completeness of the equipment;

information on acceptance of the equipment;

information on packaging of the equipment;

warranty obligations of the equipment manufacturer;

information on storage of the equipment;

information on transportation of the equipment;

information on preservation and depreservation of the equipment during operation;

recommended type of surfacing;

information on recording equipment malfunctions during operation;

information on recording maintenance of the equipment;

information on repair, including a list of equipment parts and components that are subject to high loads during operation of the equipment, as well as the period and cases of their replacement;

installation instructions for the equipment;

rules for safe operation of the equipment;

instructions for inspecting and checking the equipment before starting operation;

instructions for inspecting, maintaining and repairing the equipment;

information on disposal of the equipment;

month and year of manufacture of the equipment;

information on age groups (including weight and height restrictions);

assigned service life;

special notes (if necessary);

a photograph or graphic drawing (in colour, if necessary) of the equipment;

a general arrangement drawing of the equipment indicating the main dimensions;

equipment assembly diagram;

fall zone diagram (plan).

The equipment passport shall be prepared in Russian and, where required by the legislation of the Member State, in the official language (official languages) of the Member State in whose territory the equipment is

marketed.

37. Installation of the equipment and/or surfacing shall be carried out in accordance with the installation instructions, which shall contain the following information:

- а) dimensions of the minimum space required for placing the equipment and the safe distance between the equipment and the surface of the children's playground;
- б) procedure for installing the equipment and/or surfacing;
- в) necessary markings facilitating assembly (for example, marks on the assembly parts of the equipment and detailed instructions);
- г) list of the special devices and tools required for installing the equipment and/or surfacing (lifting devices, templates, gauges, patterns, etc.), as well as precautions to be taken during installation of the equipment and/or surfacing;
- д) tightening torque values for threaded connections (if necessary);
- е) dimensions of the area for installing equipment of a specific type;
- ж) orientation of the equipment and its elements to protect them from climatic conditions (sun, wind (if necessary));
- з) foundation requirements, description of the design and foundation layout, and requirements for anchoring;
- и) description of landscape features to ensure safe operation of the equipment and/or surfacing;
- к) free height of fall (when selecting impact-attenuating surfacing);

л) requirement for painting or special impregnation of the equipment or its elements (if necessary);

м) requirement for removing packaging elements before commissioning the equipment.

38. The equipment shall be installed in such a way as to ensure the safety of users.

When installing the equipment, the fall zones and landing zones specified for adjacent equipment shall be taken into account.

39. The design of the equipment may provide unobstructed access to the children's playground for children with disabilities and ensure their safety while on the children's playground.

40. When loose-fill materials are used as impact-attenuating surfacing on a children's playground, the thickness of such surfacing shall be increased, compared with the required thickness, by an amount sufficient to compensate for displacement of the material.

41. Commissioning of the equipment and/or surfacing shall be carried out in accordance with the procedure established by the legislation of the Member States.

42. Operation of the equipment and/or surfacing shall be carried out by the operator in accordance with the requirements of this Technical Regulation and the rules for safe operation established by the equipment passport.

43. Maintenance and repair of the equipment shall be carried out in accordance with the equipment passport.

44. Upon expiry of the assigned service life, operation of the equipment shall be discontinued irrespective of the technical condition of the

equipment.

45. To ensure the safety of the equipment, the operator shall not make changes to the design of the equipment that affect the safety of its design or elements.

46. Information in the form of a sign (pictogram) containing the following shall be placed on the children's playground:

rules for using the equipment and information on age groups (including height and weight restrictions);

telephone numbers of the rescue service and ambulance;

telephone numbers of the operator to be contacted in the event of equipment malfunction or breakdown.

During operation of the equipment, the height and weight restrictions specified in the equipment passport shall be observed.

47. Transportation and storage of the equipment and its elements shall be carried out taking into account the requirements of this Technical Regulation and the information specified in the equipment passport.

48. Disposal of the equipment shall be carried out in accordance with the equipment passport.

Specific features of equipment disposal may be established by the legislation of the Member States in the field of environmental protection.

VIII. Ensuring the conformity of equipment and/or surfacing with safety requirements

49. Conformity of the equipment and/or surfacing with this Technical Regulation shall be ensured by fulfilling the following requirements:

a) hygiene safety requirements established by Annex No. 2 to this Technical Regulation;

b) safety requirements established by this Technical Regulation (except for the requirements specified in subparagraph "a" of this paragraph), or the requirements of standards included in the list of standards, the application of which on a voluntary basis ensures compliance with the requirements of this Technical Regulation.

50. The methods of research (testing) and measurements of the equipment and/or surfacing shall be established in the standards included in the list of standards containing rules and methods of research (testing) and measurements, including sampling rules, required for the application and fulfilment of the requirements of this Technical Regulation and for conformity assessment of the equipment and/or surfacing.

IX. Conformity Assessment of Equipment and/or Surfacing

51. Equipment and/or surfacing placed on the market of the Union shall be subject to conformity assessment for compliance with the requirements of this Technical Regulation, as well as the requirements of other Technical Regulations of the Union (Customs Union) applicable to them.

52. Conformity assessment of equipment and/or surfacing for compliance with the requirements of this Technical Regulation shall be carried out in the forms of conformity confirmation and technical condition assessment (technical inspection).

53. Conformity confirmation of equipment and/or surfacing for compliance with the requirements of this Technical Regulation (hereinafter referred to as conformity confirmation) shall be carried out in the form of certification or declaration of conformity.

54. For conformity confirmation, applicants may be legal entities or individuals registered in the territory of a Member State in accordance with its legislation as individual entrepreneurs, who are manufacturers or sellers, or persons authorised by the manufacturer.

55. The equipment and/or surfacing listed in Annex No. 3 shall be subject to conformity confirmation in the form of certification under the following schemes:

a) for equipment and/or surfacing manufactured in serial production, – schemes 1c and 2c;

6) for a product batch of equipment and/or surfacing – scheme 3c;

b) for a single product – scheme 4c.

56. The equipment and/or surfacing listed in Annex No. 4 shall be subject to conformity confirmation in the form of declaration of conformity under the following schemes:

a) for equipment and/or surfacing manufactured in serial production, – schemes 1d and 3d;

6) for a batch (single product) of equipment and/or surfacing – schemes 2d and 4d.

57. For certification of equipment and/or surfacing, the applicant may be:

a) for schemes 1c and 2c – the manufacturer (the person authorised by the manufacturer);

6) for schemes 3c and 4c – the manufacturer (the person authorised by the manufacturer) or the seller.

58. The certification scheme for equipment and/or surfacing shall be selected by the applicant.

59. For certification of equipment and/or surfacing, the applicant shall:

a) take all necessary measures to ensure that the production process is stable and ensures that the equipment and/or surfacing manufactured complies with the requirements of this Technical Regulation (schemes 1c and 2c);

6) compile Documentation, including:

equipment passport (for equipment);

design documentation (schemes 1c and 2c);

the document according to which the equipment and/or surfacing was manufactured (schemes 1c and 2c);

the results of the Strength Calculations for the equipment and/or surfacing;

a test report (test reports) for the equipment and/or surfacing conducted by the manufacturer in an accredited testing laboratory (centre) included in the Unified Register of Conformity Assessment Bodies of the Eurasian Economic Union (hereinafter referred to as the testing laboratory (centre));

a document confirming the characteristics of materials and components (if available);

certificates of conformity and declarations of conformity or a test report (test reports) for the materials and components (if available);

a list of the standards specified in Section VIII of this Technical Regulation that were applied during production (if applied by the manufacturer);

a management system certificate (copy of the certificate) (scheme 2c);

a contract (supply contract) and shipping documentation for a batch and a single product of equipment and/or surfacing (schemes 3c and 4c);

other documents selected by the applicant that served as the basis for confirming the conformity of the equipment and/or surfacing with the requirements of this Technical Regulation, as well as the requirements of other Technical Regulations of the Union (Customs Union) applicable to them (if available);

в) submit an application for certification of the equipment and/or surfacing, accompanied by the Documentation specified in subparagraph "б" of this paragraph, to an accredited certification body included in the Unified Register of Conformity Assessment Bodies of the Eurasian Economic Union (hereinafter referred to as the certification body).

The application shall specify the document against which the management system has been certified (scheme 2c).

The application shall contain the identifying characteristics of the batch (batch size, details of the shipping documentation identifying the batch) and of the units of equipment and/or surfacing included in it (name, type, kind, etc. (if available)) (schemes 3c and 4c);

г) affix the single mark of product circulation on the market of the Union after completion of the conformity confirmation procedure;

д) notify the certification body in writing of changes made to the design of the equipment and/or surfacing or to their production technology that may affect the conformity of the equipment and/or surfacing with the requirements of this Technical Regulation (scheme 1c);

e) after completion of the conformity confirmation procedure, compile the Documentation specified in subparagraph "6" of this paragraph, the test report (test reports) for the equipment and/or surfacing, the production condition analysis report of the manufacturer (scheme 1c), and the certificate of conformity.

60. For certification of equipment and/or surfacing, the certification body shall:

a) analyse the application and Documentation submitted by the applicant and inform the applicant of the decision to conduct certification (specifying the conditions for conducting certification) or to refuse certification (specifying the reasons);

б) identify and sample the equipment and/or surfacing from the applicant for testing;

в) ensure testing of samples of the equipment and/or surfacing (schemes 1c, 2c and 3c) or of a single product of equipment and/or surfacing (scheme 4c) in the testing laboratory (centre);

г) conduct a production condition analysis at the manufacturer, the results of which shall be documented in the relevant report (scheme 1c);

д) where the test results for samples of the equipment and/or surfacing, the production condition analysis (scheme 1c), and the analysis of the Documentation submitted by the applicant are positive, issue a certificate of conformity in the unified form approved by Decision of the Board of the Eurasian Economic Commission dated 25 December 2012 No. 293, which shall be issued to the applicant;

е) conduct surveillance of the certified equipment and/or surfacing throughout the entire period of validity of the certificate of conformity by testing samples of the equipment and/or surfacing in the testing

laboratory (centre) and/or conducting a production condition analysis (scheme 1c);

ж) conduct surveillance of the certified equipment and/or surfacing throughout the entire period of validity of the certificate of conformity by testing samples of the equipment and/or surfacing in the testing laboratory (centre) and analysing the results of surveillance conducted by the management system certification body for the certified management system (scheme 2c);

з) based on the results of surveillance:

confirm the validity of the certificate of conformity, which shall be stated in the surveillance report;

in the event of negative surveillance results, decide to suspend or cancel the validity of the certificate of conformity.

Communicate the decision on the surveillance results to the applicant;

и) enter information about the certificate of conformity in the Unified Register of Issued or Accepted Conformity Assessment Documents of the Eurasian Economic Union.

61. Where certification is conducted under schemes providing for certification of management systems, the management system certification body registered in the territory of a Member State and accredited in accordance with the legislation of that Member State shall carry out the management system certification work.

62. The period of validity of the certificate of conformity for equipment and/or surfacing manufactured in serial production shall be no more than 5 years; for a batch of equipment and/or surfacing (single product), no period of validity of the certificate of conformity shall be established.

63. The set of documents compiled after certification of the equipment and/or surfacing, specified in subparagraph "e" of paragraph 59 of this Technical Regulation, shall be kept by the applicant and the certification body for the following periods:

for equipment and/or surfacing manufactured in serial production, – at least 10 years from the date on which the certificate of conformity ceases to be valid;

for a product batch (single product) – at least 10 years from the date of sale of the last unit of equipment and/or surfacing from the product batch (single product).

The set of documents shall be provided to state control (supervision) authorities upon their request.

64. For declaration of conformity of equipment and/or surfacing, the applicant may be:

a) for schemes 1d and 3d – the manufacturer (the person authorised by the manufacturer);

6) for schemes 2d and 4d – the manufacturer (the person authorised by the manufacturer) or the seller.

65. The declaration of conformity scheme for equipment and/or surfacing shall be selected by the applicant.

66. Declaration of conformity of equipment and/or surfacing under schemes 1d and 2d shall be carried out by the applicant on the basis of its own evidence. At the applicant's discretion, testing of samples of the equipment and/or surfacing shall be conducted in the applicant's own testing laboratory and/or in a testing laboratory (centre).

Declaration of conformity of equipment and/or surfacing under schemes 3d and 4d shall be carried out by the applicant on the basis of its own evidence and evidence obtained with the participation of a testing laboratory (centre).

67. For declaration of conformity of equipment and/or surfacing, the applicant shall:

a) compile and analyse documents confirming the conformity of the equipment and/or surfacing with the requirements of this Technical Regulation, including:

equipment passport (for equipment);

design documentation (schemes 1d and 3d);

the document according to which the equipment and/or surfacing was manufactured (schemes 1d and 3d);

the results of the Strength Calculations;

a test report (test reports) for samples of the equipment and/or surfacing conducted in the applicant's own testing laboratory and/or in a testing laboratory (centre);

a document confirming the characteristics of materials and components (if available);

certificates of conformity, declarations of conformity or test reports for the materials and components (if available);

a list of the standards specified in Section VIII of this Technical Regulation that were applied during production (if applied by the manufacturer);

a contract (supply contract) and shipping documentation for a product batch (single product) (schemes 2d and 4d);

other documents selected by the applicant that served as the basis for confirming the conformity of the equipment and/or surfacing with the requirements of this Technical Regulation, as well as the requirements of other Technical Regulations of the Union (Customs Union) applicable to them (if available);

6) identify the equipment and/or surfacing in accordance with Section III of this Technical Regulation;

(c) ensures production control and takes the necessary measures to ensure that the production process of the equipment and/or surfacing complies with the requirements of this Technical Regulation;

(d) accepts the declaration of conformity, which is drawn up according to the unified form and rules approved by Decision of the Board of the Eurasian Economic Commission No. 293 dated 25 December 2012;

(e) affixes the single mark of product circulation on the Union market after completion of the declaration of conformity procedure;

(f) after completion of the declaration of conformity procedure for the equipment and/or surfacing, compiles a set of documents that includes the documents specified in subparagraph "a" of this clause and the declaration of conformity.

68. The declaration of conformity shall be registered in accordance with the procedure established by Decision of the Board of the Eurasian Economic Commission No. 76 dated 9 April 2013.

69. The set of documents compiled after the declaration of conformity procedure for the equipment and/or surfacing, specified in subparagraph

"e" of clause 67 of this Technical Regulation, shall be kept by the applicant for the following periods:

for equipment and/or surfacing manufactured in serial production – at least 5 years from the date on which the declaration of conformity ceases to be valid;

for a product batch (single product) – at least 5 years from the date of sale of the last item of equipment and/or surfacing from the product batch (single product).

The set of documents shall be provided to state control (supervision) authorities at their request.

70. The validity period of the declaration of conformity for the declaration of conformity procedure for serial production of equipment and/or surfacing shall be no more than 5 years. For a batch of equipment and/or surfacing (single product), no validity period shall be established for the declaration of conformity.

71. After placing on the market, conformity assessment of the equipment and/or surfacing in the form of technical condition assessment (technical inspection) shall be carried out by an accredited (authorized) organization throughout the assigned service life.

The procedure for conducting technical condition assessment (technical inspection), as well as the procedure for accrediting (authorizing) an organization to conduct technical condition assessment (technical inspection), shall be established by the legislation of the Member States.

X. Marking of equipment and/or surfacing with the single mark of product circulation on the Union market

72. Equipment and/or surfacing that comply with the requirements of this Technical Regulation and the requirements of other Technical Regulations of the Union (Customs Union) applicable to them and that have undergone the conformity confirmation procedure shall bear the single mark of product circulation on the Union market.

73. Marking with the single mark of product circulation on the Union market shall be carried out before the equipment and/or surfacing is placed on that market.

74. The single mark of product circulation on the Union market shall be affixed to each item of equipment and/or surfacing by any method that ensures a clear and legible image throughout the entire service life of the equipment and/or surfacing, and shall also be indicated in the accompanying passport. The single mark of product circulation on the Union market may be affixed only to the packaging and indicated in the accompanying passport if it is impossible to affix the mark directly to the equipment and/or surfacing.

75. Marking of the equipment and/or surfacing with the single mark of product circulation on the Union market indicates that it complies with the requirements of all Technical Regulations of the Union (Customs Union) applicable to this equipment and/or surfacing and providing for the affixing of the single mark of product circulation on the Union market.

XI. State Control (Supervision)

76. State control (supervision) over compliance with the requirements of this Technical Regulation shall be carried out in accordance with the legislation of the Member States.

ANNEX No. 1
to the Technical Regulation
of the Eurasian Economic Union
"On the Safety of Equipment for Children's Playgrounds"
(TR EAEU 042/2017)

LIST
of products covered by the requirements of the
Technical Regulation of the Eurasian Economic Union
"On the Safety of Equipment for Children's Playgrounds"
(TR EAEU 042/2017)

Type of equipment, surfacing	Characteristics of the type of equipment, surfacing	Type of equipment, surfacing
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1. Playground slide	equipment for a children's playground with an inclined sliding surface down which a child descends under the force of gravity	freestanding slide slide attached slide wave slide (wavy slide) slide "on a slope" (slide on the slope of a hill, embankment or bank) spiral slide curved slide tunnel slide combined tunnel slide slide with several tracks
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2. Playground swing	equipment for a children's playground set in motion by a child whose mass is located below the hinge about which the swinging takes place	swing with one axis of rotation swing with several axes of rotation swing with one suspension point collective swing
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3. Playground rocking equipment	equipment for a children's playground that is set in motion by a child (children) and performs an oscillating motion in various planes	rocking balance equipment rocking equipment with one support rocking equipment with one support, ensuring during rocking that the child (children) moves in several planes rocking equipment with several supports, ensuring during rocking that the child (children) moves predominantly in one
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4. Playground carousel	equipment for a children's playground with one or more seats, rotating around a vertical axis, with an angle of inclination from the vertical of no more than 5°	rotating seats rotating platform rotating mushroom aerial gliding movement along a circular track large rotating disk
5. Playground cableway	equipment for a children's playground on which a child rides under the force of gravity	cableway: with a suspended handle with a seat

6. Children's play complex (play complex), play equipment, equipment and elements of children's play complexes (play complexes)	equipment for a children's playground intended for play, physical development, and fostering children's agility and courage	children's play complex (play complex) equipment and elements of children's play complexes (play complexes): tower horizontal ladder wall bars climbing wall tunnel bridge ramp ladder spiral pole flexible climbing elements (ladder, net, web) play equipment,
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7. Impact-attenuating surfacing	playground surfacing having shock-absorbing properties	sand surfacing gravel surfacing turf surfacing wood- chip surfacing rubber surfacing synthetic surfacing
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ANNEX No. 2
to the Technical Regulation
of the Eurasian Economic Union
"On the Safety of Equipment for Children's Playgrounds"
(TR EAEU 042/2017)

REQUIREMENTS

for hygiene safety of materials used in the manufacture of equipment and surfacing for children's playgrounds

1. The odor intensity of materials used in the manufacture of equipment and surfacing for children's playgrounds (hereinafter referred to as materials) shall not exceed 2 points.

2. The electrostatic field strength at the surface of polymer, polymer-containing, synthetic and blended textile materials under operating conditions shall not exceed 15,0 kV/m.
3. Materials shall not stimulate the growth and development of microflora, including pathogenic microflora.
4. The specific effective activity of naturally occurring radionuclides in mineral-based materials shall not exceed 370 Bq/kg. The permissible specific activity of cesium-137 in wood and wood-containing materials shall not exceed 300 Bq/kg.
5. The protective and decorative coating of equipment and surfacing shall be resistant to wet cleaning; equipment shall be resistant to saliva, sweat and moisture.
6. Equipment shall not have a local skin-irritating effect, or the toxicity index of equipment, determined in an aqueous medium (distilled medium), shall be within the range from 70 to 120 % inclusive, and in an air medium, from 80 to 120 % inclusive.
7. Materials shall not release volatile substances into the environment in quantities that may have a direct or indirect adverse effect on the human body (taking into account the combined effect of all released substances).
8. During the operation of equipment and surfacing, chemical substances classified as Hazard Class 1 shall not be released from the materials into the air (classification shall be carried out in accordance with the general requirements for the classification of hazardous chemical products established by the legislation of the Eurasian Economic Union Member States), and the release of other substances shall not exceed the hygiene standards specified in the table (if several chemical substances with an additive effect are released from the materials, the sum of the ratios of

their concentrations to their maximum permissible concentrations shall not exceed 1).

Hygiene standards for the release of harmful substances from materials used in the manufacture of equipment and surfacing for children's playgrounds

Material (substance) name	Sanitary and epidemiological requirements		
	indicator	permissible migration level into the air, mg/m ³	permissible migration level into water, mg/dm ³
1	2	3	4
I. Polymeric and polymer-containing materials			
1. Plasticized polyvinyl chloride (suspension and emulsion)	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	formaldehyde	0,01	0,1
	hydrogen chloride*	0,10	-
	benzene	0,1	0,01
	toluene	0,6	0,5

2. Phenol-formaldehyde and melamine-formaldehyde resins	ammonia*	0,04	-
	methyl alcohol	0,50	0,2
	phenol**	0,003	0,05
	total phenols**	-	0,1
	formaldehyde	0,01	0,1
3. Urea resins	ammonia*	0,04	-
	methyl alcohol	0,50	0,2
	formaldehyde	0,01	0,1
4. Synthetic rubbers based on butadiene and copolymers of butadiene with acrylonitrile and styrene	acrylonitrile	0,03	0,02
	hydrogen cyanide*	0,01	-
	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	styrene	0,002	0,01

toluene	0,60	0,5
xylenes (mixture of isomers)	0,20	0,05
formaldehyde	0,01	0,1

5. Polystyrene plastics

polystyrene (block, suspension, impact-resistant), copolymer of styrene with acrylonitrile, ABS plastics	acrylonitrile	0,03	0,02
	styrene	0,002	0,01
	formaldehyde	0,01	0,1
copolymer of styrene with methacrylate	methyl methacrylate	0,01	0,25
	styrene	0,002	0,01

formaldehyde	0,01	0,1	
copolymer of styrene with butadiene	butyl alcohol	0,10	0,5
	methyl alcohol	0,50	0,2
	styrene	0,002	0,01
	formaldehyde	0,01	0,1
foamed polystyrenes	styrene	0,002	0,01
	xlenes (mixture of isomers)	0,20	0,05
	toluene	0,30	0,5
	formaldehyde	0,01	0,1

6. Polyurethanes	butyl acetate	0,10	0,1
hydrogen cyanide*	0,01	-	
isopropyl alcohol	0,60	0,1	
methyl alcohol	0,50	0,2	
formaldehyde	0,01	0,1	
ethylene glycol	0,30	1,0	
7. Epoxy resins	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	xylenes (mixture of isomers)	0,20	0,05

phenol**	0,003	0,05	
total phenols**	-	0,1	
formaldehyde	0,01	0,1	
epichlorohydrin	0,04	0,1	
8. Polyester resins	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	styrene	0,002	0,01
	phthalic anhydride*	0,02	-
	formaldehyde	0,01	0,1
	ethylene glycol	0,30	1,0

9. Polymer-containing materials based on vinyl alcohol and its derivatives	vinyl acetate	0,15	0,2
	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	methyl alcohol	0,50	0,2
	formaldehyde	0,01	0,1
10. Polymer-containing materials based on acrylic and methacrylic acids	acrylonitrile	0,03	0,02
	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	0,02	2,0
	methyl alcohol	0,50	0,2

methyl methacrylate	0,01	0,25	
formaldehyde	0,01	0,1	
11. Polymer-containing materials based on polyethylene and polypropylene	acetaldehyde	0,01	0,2
	isopropyl alcohol	0,60	0,1
	methyl alcohol	0,50	0,2
	formaldehyde	0,01	0,1
12. Polyamide	dibutyl phthalate	not permitted	not permitted
dioctyl phthalate	0,02	2,0	
caprolactam	0,06	0,5	

methyl alcohol	0,50	0,2	
formaldehyde	0,01	0,1	
13. Polymer-containing materials based on mineral materials	phosphorus anhydride*	0,05	-
	sulfur dioxide*	0,05	-
14. Polymer-containing materials based on cellulose	ammonia*	0,04	-
	methyl alcohol	0,50	0,2
	phenol**	0,003	0,05
	total phenols**	-	0,1
	formaldehyde	0,01	0,1

15. Rubber	dibutyl phthalate	not permitted	not permitted
dioctyl phthalate	0,02	2,0	
phenol**	0,003	0,05	
total phenols**	-	0,1	
formaldehyde	0,01	0,1	
16. Wood	acetaldehyde	0,01	0,2
butyl alcohol	0,1	0,5	
isobutyl alcohol	0,1	0,5	
methyl alcohol	0,5	0,2	

isopropyl alcohol	0,6	0,1
phenol**	0,003	0,05
total phenols**	-	0,1
formaldehyde	0,01	0,1
ammonia*	0,04	-

II. Textile Materials

17. Natural materials from plant-based raw materials	formaldehyde	0,01	0,1
18. Artificial viscose and acetate materials	formaldehyde	0,01	0,1

19. Polyester	formaldehyde	0,01	0,1
	dimethyl terephthalate	0,01	1,5
	acetaldehyde	0,01	0,2
20. Polyamide	formaldehyde	0,01	0,1
	caprolactam	0,06	0,5
	hexamethylenediamine	0,001	0,01
21. Polyacrylonitrile	formaldehyde	0,01	0,1
	acrylonitrile	0,03	0,02
	dimethylformamide	0,03	10,0
	vinyl acetate	0,15	0,2
22. Polyvinyl chloride	formaldehyde	0,01	0,1
	acetone	0,35	0,1
	benzene	0,1	0,01
	toluene	0,6	0,5
	dioctyl phthalate	0,02	2,0
	dibutyl phthalate	not	not
	phenol **	permitted	permitted
	total phenols**	0,003	0,05
		-	0,1

* Migration of chemical substances is determined only in an air medium.

** The indicators are interchangeable.

Notes: 1. Air is the mandatory model medium for sanitary-chemical testing.

2. For equipment parts in direct contact with the skin, migration of harmful chemical substances is determined only into an aqueous model medium.

ANNEX No. 3
to the Technical Regulation
of the Eurasian Economic Union
"On the Safety of Equipment for Children's Playgrounds"
(TR EAEU 042/2017)

LIST

of products subject to mandatory conformity confirmation with the requirements of the Technical Regulation of the Eurasian Economic Union "On the Safety of Equipment for Children's Playgrounds" (TR EAEU 042/2017) in the form of certification

1. Playground equipment:

- a) playground slide;
- b) playground swing;
- c) playground rocking equipment;
- d) playground carousel;
- e) playground cableway;
- f) children's play complex.

2. Impact-attenuating playground surfacing:

- a) rubber surfacing;

b) synthetic surfacing.

ANNEX No. 4
to the Technical Regulation
of the Eurasian Economic Union
"On the Safety of Equipment for Children's Playgrounds"
(TR EAEU 042/2017)

LIST

of products subject to mandatory conformity confirmation with the requirements of the Technical Regulation of the Eurasian Economic Union "On the Safety of Equipment for Children's Playgrounds" (TR EAEU 042/2017) in the form of declaration of conformity

1. Play equipment for children's playgrounds, including:

- a) sandpit;
- b) playhouse;
- c) maze.

2. Impact-attenuating playground surfacing:

- a) sand surfacing;
- b) gravel surfacing;
- c) turf surfacing;
- d) wood-chip surfacing.

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