

Playgrounds are defined as all those equipped spaces, intended for the recreational activity of children and young people. Every year, there are many accidents during the use of these spaces. The causes can be attributed, on the one hand, to the instinct of discovery and challenge that characterizes the psychomotor development of children and, on the other hand, to the presence of **equipment lacking in safety precautions** and protections or not adequately subjected to checks and maintenance. In fact, there is an obligation for manufacturers to place only safe products on the

market (Legislative Decree no. 172 of 21 May 2004 and Directive 2001/95/EC General Product Safety Directive), i.e. products that do not present risks or at least reduce them to a minimum.

MTIC Group guarantees full compliance with standard **UNI EN 1176:2016** regarding safety in the design, manufacturing and inspection phases.

The conformity of the product can be assessed by our experts according to two specific procedures: **Type Approval Procedure** and **MTIC Quality Mark**.



TYPE APPROVAL PROCEDURE

Step 1: WITNESS TEST on-site (at the Manufacturer's site)

The activity includes, with a test of the game or the play area, the issue of a **TEST REPORT** or a **certificate of conformity**. Among the tests that might be conducted:

- Entrapment tests
- Tests under conditions of improper use of the product
- Tests of stability or structural integrity
- HIC measurement for shock-absorbing surfaces
- Load tests
- Material analysis
- Falling spaces
- Free spaces

Step 2: TECHNICAL and DOCUMENTAL REVIEW

Technical analysis of the construction characteristics and other elements such as:

- Technical file
- Technical drawings

Analysis of the documentation attached to the product:

- Evaluation of use and maintenance manuals
- Documentation regarding the assembly / installation of the product

Step 3: FACTORY INSPECTION (at the Manufacturer's site)

Assessment of the production system and of the company's ability to provide series production with repeatability compared to the sample being tested.

MTIC QUALITY MARK**Step 1: WITNESS TEST on-site (at the Manufacturer's site)**

The activity includes, with a test of the game or the play area, the issue of a **TEST REPORT** or a **certificate of conformity**. Among the tests that might be conducted:

- Entrapment tests
- Tests under conditions of improper use of the product
- Tests of stability or structural integrity
- HIC measurement for shock-absorbing surfaces
- Load tests
- Material analysis
- Falling spaces
- Free spaces

Step 2: TECHNICAL and DOCUMENTAL REVIEW

Technical analysis of the construction characteristics and other elements such as:

- Technical file
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Analysis of the documentation attached to the product:

- Evaluation of use and maintenance manuals
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Assessment of the production system and of the company's ability to provide series production with repeatability compared to the sample being tested.

Step 4: FINAL REPORT & CONFORMITY CERTIFICATION

Releasing the final report and certification with the possibility of using the **MTIC Quality Mark**.

The application of the **MTIC Quality Mark** on the product has always been synonymous with safety, professionalism and third parties thanks to controls by qualified professionals, thus guaranteeing greater reliability compared to self-certifications.