



# ADMINISTRATIVE PROCEDURES FOR OBTAINING THE CERTIFICATION OF FINISHING SYSTEMS FOR SKATING SPORT FLOORING

**World Skate | International Federation**

Maison du Sport International | Av. De Rhodanie, 54 | 1007 | Lausanne | Switzerland

Phone +41 216011877 | [info@worldskate.org](mailto:info@worldskate.org) | [secretariat@worldskate.org](mailto:secretariat@worldskate.org) | [www.worldskate.org](http://www.worldskate.org)



This procedure defines the modalities and criteria for the certification of sports floor finishing systems that can be used for skating activities and competitions.

## 1. CERTIFICATION LEVELS

The following system certification levels are defined:

CLASS 1: recognition of the area for international skating competitions

CLASS 2: recognition of the area for skating activities

## 2. APPLICATION PROCEDURE

Finishing system certifications will be issued by World Skate through its facilities department. It will be subjected to the suitability verification of the applicant following the submission of:

- The online application for certification of a product cycle (Annex "A")
- The payment to the laboratory for the test process;
- Documentation and material samples according to the indications contained in annex "B" and "D" (to be presented at the Laboratory accredited by World Skate as presented in annex "C").

The test report performed by the World Skate-accredited Laboratory will be sent to the World Skate Facilities Department (together with the technical documentation sent by the company for the certification issue).

**NOTE:** TO PROTECT THE APPLICANT, NO CHEMICAL/PHYSICAL OR CHARACTERISTICS OF THE INDIVIDUAL MATERIALS COMPOSING THE PRODUCT CYCLE ARE REQUIRED AS IT MAY BE SENSITIVE PRODUCTION DATA. NOR WILL ANY LABORATORY TESTS BE CARRIED OUT TO OBTAIN SUCH CHARACTERISTICS. TEST REPORTS WILL NOT BE DISCLOSED TO THIRD PARTIES.

## 3. DEFINITIONS OF SUITABLE SURFACES

Suitable surfaces for the performance of skating sports are defined according to the following scheme concerning the various specialties:

### 3.1 - SUBSTRATES

- CONCRETE substrate
- ASPHALT substrate
- WOOD or COMPOSITE MATERIAL substrate
- METAL substrate



## 3.2 - FINISHES

Surface finishes will be made with an application cycle and materials having:

- no toxicity released during processing and/or during the life cycle;
- a suitable degree of grip;
- a suitable degree of smoothness;
- a suitable degree of elasticity to absorb micro-cracks in the substrate;
- a suitable degree of permeability or impermeability depending on the substrate;
- a suitable durability;
- an appropriate manufacturer's technical data sheet defining the cycle and materials used and certifying their characteristics, application methods, and durability;
- a manufacturer's technical data sheet defining the required characteristics of the substrate that receives the application cycle;
- a guarantee on the quality of the product cycle certified by the company for at least five years.

The certification, therefore, does not refer to the specific material used but to the material applied according to a product cycle, i.e., a cycle defined by the manufacturer according to the type of substrate envisaged.

## 3.3. RESPONSIBILITY FOR THE QUALITY OF THE SYSTEM

The condition of the substrate on which the product cycle is applied has a significant role in the certification of the whole system (product, application, and substrate). The supplier should be able to determine on which "substrate quality" one could apply its product to be able to realize the same quality as came out of the test protocol, which can be certified. We approach the approval of the substrate with two options:

### NEW SUBSTRATE PRODUCTION

In this case, the supplier has the obligation to request that the client produce the substrate according to its own technical datasheet for substrates that comply with their product cycle. The supplier then has the obligation to analyze the substrate according to their protocol for compliance. This can include coring, inspection, measuring, humidity, resistance checks, etc.

The outcome

1. If the supplier accepts it, it means the product cycle is suitable for the substrate, and thus it can guarantee 5 years of warranty (as mandatory in the test protocol to obtain certification).
2. If the substrate is not acceptable, the supplier has several options: A. It rejects the job and



does not apply the product; B. It takes the job but (by contract) informs the client that the product cycle cannot be certified. C. Applies a non-certified product cycle (another product)

#### EXISTING SUBSTRATE FOR RE-COATING

The supplier must carry out the following if one desires a WS-certified product cycle on an existing "old" product cycle:

1. Make a report on the state of the substrate according to their protocol for compliance.
2. Make an adhesion test and have a test report

The outcome

1. If the supplier accepts it, it means the product cycle is suitable for the substrate. In this case, the supplier needs to produce a statement addressing the suitability of the substrate for recoating and have a clause made up in the client agreement for the guarantee of the number of years (warranty) the product cycle will keep its quality based on the test report on the substrate. 2. If the substrate is not acceptable, the supplier has several options: A. It rejects the job and does not apply the product; B. It takes the job but (by contract) informs the client that the product cycle cannot be certified. C. Applies a non-certified product cycle (another product).

## 4. EXECUTORS AND APPLICATORS

Certifications may be requested from enterprises and/or companies specializing in the construction of substrates and the application of products, as mentioned above.

## 5. LABORATORIES

World Skate identifies suitable and trained independent laboratories that collaborate with the technical staff of the World Skate Facilities Department (WSFD) able to perform the tests to certify products and application cycles according to the protocol defined by the World Skate. The accredited Laboratory ascertains (through tests on material samples) the existence of the characteristics required by the cycle-product protocol and issues a test certificate for each cycle product. On the condition that no change occurs in the chemical-physical, quantity per square meter or compositional composition of the products or application of the product cycle, the laboratory test certificate (indispensable for product cycle certification) can be renewed annually. With the approval of World Skate, renewal can be done with a self-declaration by the producer that no changes have occurred. Each change involves a new certification and re-executing the entire test protocol on products and systems. The whole test protocol must prove positive on the same batch of samples sent to the accredited Laboratory. Subsequent sample submissions involve re-running the entire test protocol.

**World Skate | International Federation**

Maison du Sport International | Av. De Rhodanie, 54 | 1007 | Lausanne | Switzerland

Phone +41 216011877 | [info@worldskate.org](mailto:info@worldskate.org) | [secretariat@worldskate.org](mailto:secretariat@worldskate.org) | [www.worldskate.org](http://www.worldskate.org)



## 6. CERTIFICATIONS

World Skate will issue certification on the condition that the appointed Laboratory has verified and certified the subsistence and concurrence of the requirements contemplated in the protocol. The validity of the laboratory certifications is to be considered as mentioned above unless changes are made to the rules such that the attested system or products do not comply with the new regulatory provisions or the parameters expressed therein. In this case, the certificate holder must adapt the system and/or the individual products to the new regulatory contents.

**Note:** this protocol scheme shall be supplemented with the results of the tests, which will be summarized in acceptance tables identifying maximum and minimum values for each test.

### 6.1 - PRODUCT CERTIFICATION

Identification of the products (composing the cycle) to be certified:

1. primer or gripping base (if applicable) – regulations, properties, and requirements;
2. filling bottom or flooding (if applicable) - regulations, properties, and requirements;
3. multi-layer resin:
  - basic layers: - regulations, properties, and requirements;
  - colored finish layers: - regulations, properties, and requirements;

### 6.2 - SYSTEM CERTIFICATION

By SYSTEM or product-cycle is meant the indivisible set of products submitted for the certification (in the identified quantities per square meter) declared by the certification request. For each variation of the individual components and/or quantities of primer, clog, base, or finish per square meter, a new application for certification and a new series of tests must be submitted. The manufacturer's technical data sheet for the cycle products to be certified must show:

Identification of the system product cycle due to different types of substrate:

1. substrate preparation - integrity and flatness check
2. hygrometric testing of the substrates
3. primer - quantity and method of application, execution timing
4. filling base - amount and method of application, execution timing
5. colored finish - amount and method of application, execution timing
6. protective layer - amount and method of application, execution timing

## 7. SURFACE TEST FOR CERTIFICATION OF THE CYCLE BY APPLICATOR

**World Skate | International Federation**

Maison du Sport International | Av. De Rhodanie, 54 | 1007 | Lausanne | Switzerland

Phone +41 216011877 | [info@worldskate.org](mailto:info@worldskate.org) | [secretariat@worldskate.org](mailto:secretariat@worldskate.org) | [www.worldskate.org](http://www.worldskate.org)



To certify the cycle-product used and its correct application on a specific site, (according to a codified procedure resulting from the manufacturer's technical data sheet) the applicator must draw up a particular report (with attached valid cycle-product certification issued by World Skate) necessary for the subsequent certification of the playing area (FOP) of the sports facility in question. It is obligatorily that the cycle-product system installed on the FOP must be a system already certified by World Skate. If one of its components changes, the playing area will not be certified. Mixing of the components is not permitted. The RESIN measured in the field must be consistent with that measured on the certified system in the Laboratory and indicated in the relevant certificate. For that reason, on-site tests or tests on samples of materials from the construction site may be requested from the accredited Laboratory at the applicant's expense, to compare with those previously certified by World Skate.

## 8. APPLICATOR

The applicator for any World Skate certified product cycle must be an experienced expert (trained according to the protocol for such specific product) and approved by the company that holds the certification. Therefore, only applicators employed by the company or an independent applicator that obtained the certificate of such a company qualify.

The technical data sheet with the application instructions and the certificate issued by the company to its external applicator must be attached.

## 9. PRODUCT/CYCLE CERTIFICATE

World Skate, following the positive outcome of the tests carried out by the accredited Laboratory, issues a certificate for a tested product cycle valid for the current year. The certificate for the cycle product issued by World Skate is renewable from year to year, up to a maximum of three years following the year of testing, upon payment of the prescribed annual fee, and without needing to repeat the tests. Should the company change the chemical-physical characteristics of the products used in the product cycle or the application methods of the same product cycle, the tests must be repeated, subject to payment, and a new certificate issued. Modifying the product cycle or its application methods invalidates the World Skate certification obtained and the effectiveness of the relative tests. In any case, the tests must be repeated after three years from the year in which the test that led to the current certification was carried out.

## 10. REGISTER OF PRODUCTS/CYCLES

World Skate keeps an up-to-date register of certified cycle products on its website.

## 11. ACCEPTANCE TABLE

**World Skate | International Federation**

Maison du Sport International | Av. De Rhodanie, 54 | 1007 | Lausanne | Switzerland

Phone +41 216011877 | [info@worldskate.org](mailto:info@worldskate.org) | [secretariat@worldskate.org](mailto:secretariat@worldskate.org) | [www.worldskate.org](http://www.worldskate.org)



Enclosed, you will find the detailed "acceptance table." This table outlines the essential minimum and maximum criteria that must be met to secure Class 1 certification for finishing systems tailored for skating sport flooring. These benchmarks are set to ensure the highest quality standards for participants. Meeting these specifications guarantees that the finishing system adheres to the stringent requirements set forth by World Skate, ensuring optimal performance and durability for skating surfaces. We urge you to review these criteria carefully to ensure your product's compliance.

WORLD SKATE RESIN PROTOCOL TEST TYPE	UNIT OF MEASUREMENT	ACCEPTANCE PARAMETERS	
Hardness ISO 7619-1	Shore AM	Asphalt base	Concrete base
Thickness EN 1969	mm	Required to list test values found in the product data sheet.	Required to list test values found in the product data sheet.
Mass per unit area EN ISO 23997	g/m <sup>2</sup>	Required to list test values found in the product data sheet.	Required to list test values found in the product data sheet.
Breaking resistance EN 12230	N	>2000	>2000
Slipperiness EN 16837	0°dry/180°dry - 0°wet/180°wet	90/100 - 70/80	90/100 - 70/80
Resistance to rolling Rotation resistance	50mm/min - 200mm/min	220-250	220-250