

Fluor ban implementation

FIS ALPINE-SX-SBX-SB Alpine



July, 2023

- FIS confirmed full implementation of the fluor wax ban à start of 2023/24 season
- FIS will carry out testing to ensure that skis/boards are fluor-free at top-tier events
 - FIS World Cup
 - FIS World Ski Championships
 - Other major events such as FIS Junior World Ski Championships
- Testing at other level events will be carried out on a random basis to ensure those events are also regulated
 - Cooperation with NSAs

Testing Procedure

- FIS Control Team = Fluor Equipment Controller
- The control will be carried out at each World Cup competition, JWSC&U23WSC.
- The testing will be performed at the finish area in a dedicated tent next to the tent of the Equipment Controller / for SX-SBX-SB, finish area next to the exit gate
- Dedicated testing sessions offered before the season's start

Testing Procedure After Competition

- **ALPINE**
 - The athletes' skis will be tested after finishing the race (speed events)
 - On the tech events all athletes qualified for the second run will be tested after the finish
- **SX-SBX-SB Alpine**
 - 1 athlete tested after each heat, only non advancing athletes
 - Top 4 (6 if heats of 6 format) athletes after the final

Testing Procedure After Competition

1. Skis/boards delivered to the Fluor Test Area
2. The athlete personally put the skis/boards in the designated rack of the Fluor Equipment Controller.
3. No interaction by a steward or teams.
4. Skis/boards are tested (tent).
5. All data collected will be register in a data base by FIS.
6. After the skis/boards have been tested, they will be placed in the designated rack and can be collect by athletes or teams.

Red ski/board

- When an athlete ski/board is controlled “**Red Fluor**”, the staff representing the racer will be informed by the Fluor Equipment Controller.
- A maximum amount of two people (athlete include) can come to the tent to collect racing skis/boards.
- If request, the Fluor Equipment Controller will show the different test measurement that:
Ø will disqualify the athlete after competition (DSQ).
- All data collected will be register in a FIS data base.
- Any remeasurements will be considered when the “Red Fluor” ski/board get out of the dedicated Red rack.

ICR

222.8

Use of fluorinated wax or tuning products containing fluorine is prohibited for all FIS disciplines and levels. Fluorinated wax can be a competitive advantage and its use in competition will result in disqualification. (see competition rules and equipment specifications.)

Measuring procedure

- Aim to test 1ski of each pair or board
- 0-1 GREEN, move to next point, up to three points
- > 1 RED, as many points as needed will be measured to confirm the red point, if three points are red, DSQ
- When ski/snowboard are GREEN, they will be moved to a dedicated rack where they can be picked up immediately
- When ski/snowboard are RED, they will be moved to a dedicated RED rack. The request to see the measured points could be done by the representative person (NSA/SRS) after the end of the race

Measuring table

Threshold zones				
0-1	> 1			
Measurment result in 3 points			Reaction	Decision
			OK	OK
			Failed	DSQ

Sanctions TBC

After the finish

- A positive test will lead to a disqualification (DSQ as per 222.8) of the competitor
- The decision has to be communicated by the Fluor Equipment Controller and is not appealable
- Based on evidence (Testing results)

Material provided by Fluor Equipment Controller:

-Tent 3mX3m

-Table 2.80x0.74

-Electric heating

-Device, PC and all necessary hardware to do measurements

Material/Manpower needed from OCs:

- Fenced zone to mount the tent, size 3mX5m as flat as possible, next to the tent for Equipment Control / for SX-SBX-SB finish area next to the exit gate
- Floor, any not slippery material, size 3mX3m
- 1/2 chairs
- Reliable electric power source (110/220 Volts)

-2X skis/boards racks

-1or 2 assistant from 1hour before the start until the end of the race

-Transport of the Fluor Equipment Controller material if his car couldn't reach the finish area

-If OCs prefer to use their own material such as, 3mX3m tent with sidewalls, table and heating, obviously it would be a great help for us, please let us know so that we can organize ourselves in the best possible way

Personnel and responsibilities

1 Fluor Equipment Controller:

Directly involved and responsible for the organisation of fluor testing before and during the event

Responsible for smooth flow of the fluor testing on site

The only person to communicate with the Jury and RDs

Collects information from teams and SRS about development in ski waxing to improve the testing “models”

Accommodation and travel costs covered by FIS

1-2 LOC assistant: depending on the number of the devices

Jury: Receives information from the Fluor Equipment Controller
Makes decision about DQS and potential sanctions