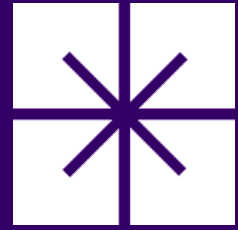


# Position Statement: Floor Tolerances



The CFCA is a not for profit association of quality focused concrete floor contractors, materials and equipment manufacturers promoting safety, quality and integrity in the Concrete Floor industry.

Position Statements are based upon this desire to provide state of the art information to owners, specifiers and constructors to both improve quality and reduce problems. We hope that this information will assist you in this goal.

If you have any questions, or comments, please call the office (905) 582-9825 or send us an e-mail at [info@concretefloors.ca](mailto:info@concretefloors.ca)

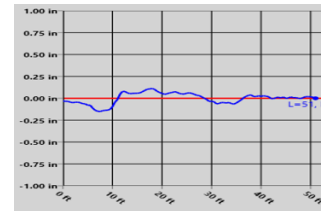
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## Concern:

The Canadian Standard CSA A23.1-14 Methods and Materials of Concrete Construction allows only the use of the F-Number system for the measurement of Concrete Floors. The application of tolerance testing for acceptance and rejection by an owner must be performed within 72 hours of each slab placement.



## Considerations:

Each project has unique concrete characteristics that require very careful consideration. It is strongly recommended that this issue be discussed at the preconstruction meeting with the participation of the Owner.

CSA A23.1 Clause 7.6.1 “Surface Tolerances” states the following:

1. Slab or floor finish tolerances shall be measured using the F-Number system and the classifications of Table 21 as specified by the owner.
2. Slab or floor tolerance measurements shall be made a maximum of 72 h after completion of each floor placement.
3. Levelness tolerances shall not apply to cambered, inclined surfaces or suspended slabs.

## Position Statement:

Unless specified otherwise in the Concrete Finishing Section of Division 3, The Owner shall be responsible for:

- 1) The payment of tolerance testing services through the testing allowance.
- 2) The specification of the tolerance limits as per table 21 of CSA A23.1.
- 3) The communication of tolerance results immediately following testing.
- 4) The specification of corrective measures for out of compliance surfaces.

The concrete floor contractor shall not be responsible for any corrective action or related repair costs when tolerance testing is performed after the 72 hour time limit. Measurement of surface tolerances after this time include variations caused by normal drying shrinkage curling and deflection of the concrete which are beyond the control of the concrete finishing contractor.

## Further references:

- *CSA A23.1-14 Materials and Methods of Concrete Construction.*

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