

**MOISTURE “METERS” TO BE USED IN CONJUNCTION WITH  
THE PermeaTORR AC**

Swiss Standard SIA 262/1:2013, Annex E states:

(see: <http://m-a-s.com.ar/pdf/ANNEX%20E%20SIA%20262-1.pdf>)

- The determination of the air-permeability should be conducted preferably at ages between 28 and 90 days.
- The temperature of the air and of the concrete should be at least 10°C (*Note: with the PermeaTORR AC it is possible to measure above 5°C*).
- The moisture content, measured with a capacitive instrument, should be ≤ 5.5 %. This condition is usually met after at least 3 consecutive dry days (average RH ≤ 80%) following the last contact of the element with water (curing, splash or rainfall)

Therefore, in case of site testing of concretes that may not be sufficiently dry, the complementary use of a device to measure the moisture content is a must.

In Switzerland, the use of impedance contact moisture meters is becoming customary. We can recommend the digital instrument “CMExpert II” (<https://www.tramexmeters.eu/store/moisture-meters-roofing/cmex-ii-concrete-meter>) or, alternatively, the less accurate “Concrete Encounter CME4” (<https://www.tramexmeters.eu/Tramex-Concrete-Encounter-CME4-Moisture-meter-for-concrete>). Both instruments are manufactured in the Republic of Ireland by TRAMEX; see pictures below.



