

AUTOMATIC MOISTURE SYSTEM

Part Number: 23845-CE

DESCRIPTION:

When Automatic Moisture Compensation is enabled, the batching computer uses measurements from the Command Alkon Moisture Probe to automatically adjust material and water targets during a batch.

OPERATION:

- The initial target for a moisture-compensated material is estimated using the last known moisture percentage for that material. Once the material begins to feed, the material's target changes throughout the weigh up cycle as the moisture reading changes. When a batch is finished, the ending calculated moisture percentage is recorded and is used as the starting value the next time the material is used in a batch.
- Because the moisture calculation affects the water target, a portion of the water is held back until all moisture-compensated materials have finished weighing up. This applies to both Weighed and Metered water.

SYSTEM REQUIREMENTS:

- A supported version of the batch control software.
- The moisture probe must be installed (see the 7102 Moisture Probe Installation Manual or other appropriate Probe Interface documentation).

IMPLEMENTATION:

- If the probe is connected via the Manual Station:
 - Install a moisture probe board in the Manual Station.
 - Assign the probe to a display on the Manual Station.
 - Calibrate the probe from the Manual Station.
- If the probe is connected via another method, calibration will be defined for that method.
- Assign the probe to a material bin in the batching system.
- Perform an accurate bake out procedure on the Material that will be measured by the probe.

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