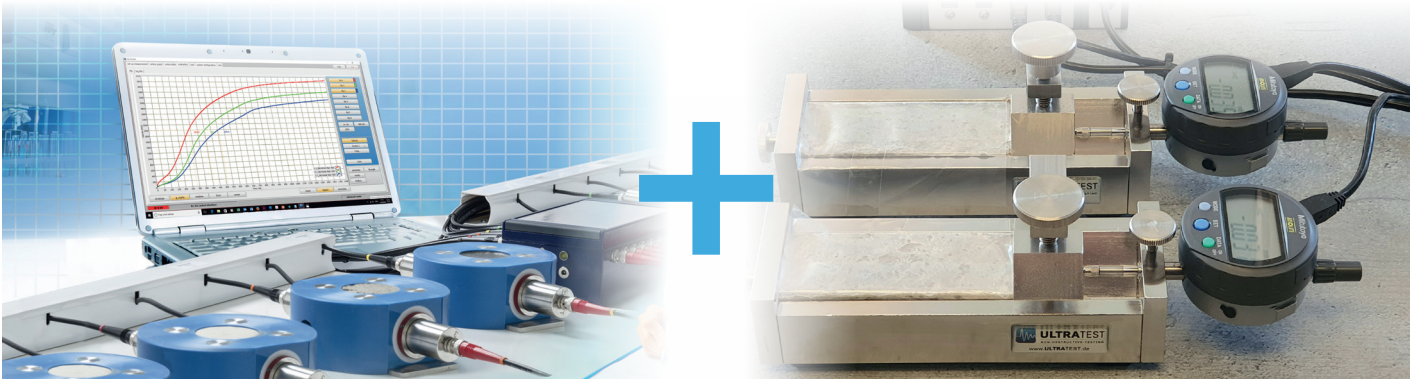


NEW: SHRINKAGE & EXPANSION MEASURING for IP-8 Ultrasonic Measuring Systems

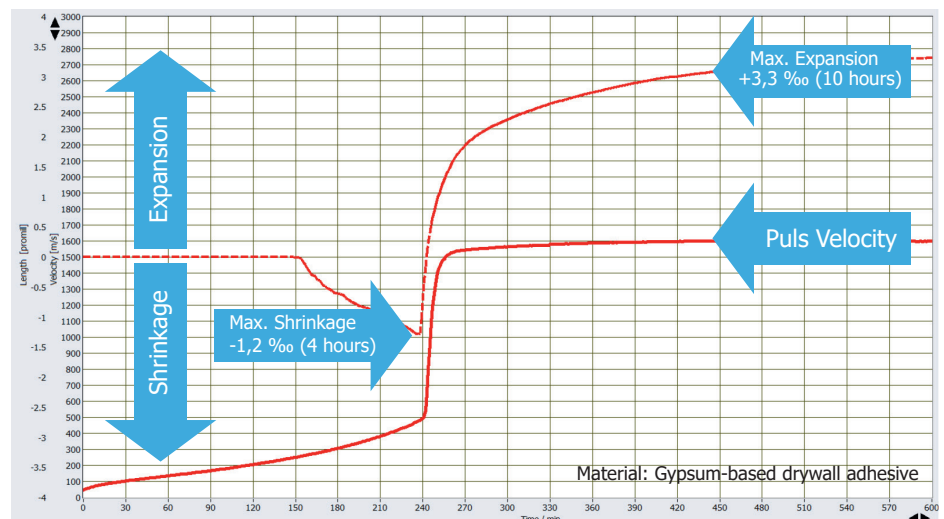
ASEM - Advanced Shrinkage & Expansion Measuring System



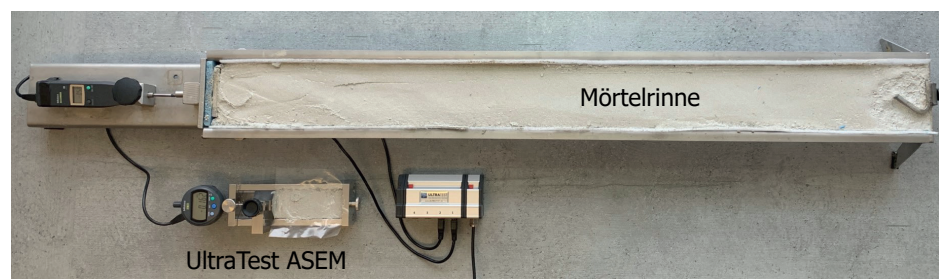
UltraTest Shrinkage and Expansion Measuring

- Simultaneous measurement of ultrasonic velocity and shrinkage / expansion
- Measurement of early shrinkage using sensitive technology
- Very high repeatability
- Driver made of standardized stainless steel screws to remain in the sample (no breaking and cleaning)
- Very easy cleaning thanks to electropolished surfaces
- Suitable for all building materials with a grain size of up to 4 mm
- USB interface for connecting 1, 4 or 8 Mitutoyo digital indicators
- Integration in UltraTestLab Software
- Measurement duration of 365 days
- Expandable to max. 24 channels

Shrinkage & Expansion vs ultrasonic velocity



Comparison of Shrinkage Measuring Systems



Measurements in Climate Chamber

- Climate Chamber: 3-5 grooves on one drawer placeable
- Temperature range: 0-40 °C possible



Properties	UltraTest System on the basis of DIN EN ISO 6873	Mortar Groove ÖNORM B 3329
Measuring length (mm)	100	1000
Accuracy (mm)	0,001 (opt. 0,0001)	0,01
Content (cm ³)	45	2400 - 4500
Stand Area (cm ²)	189	1742