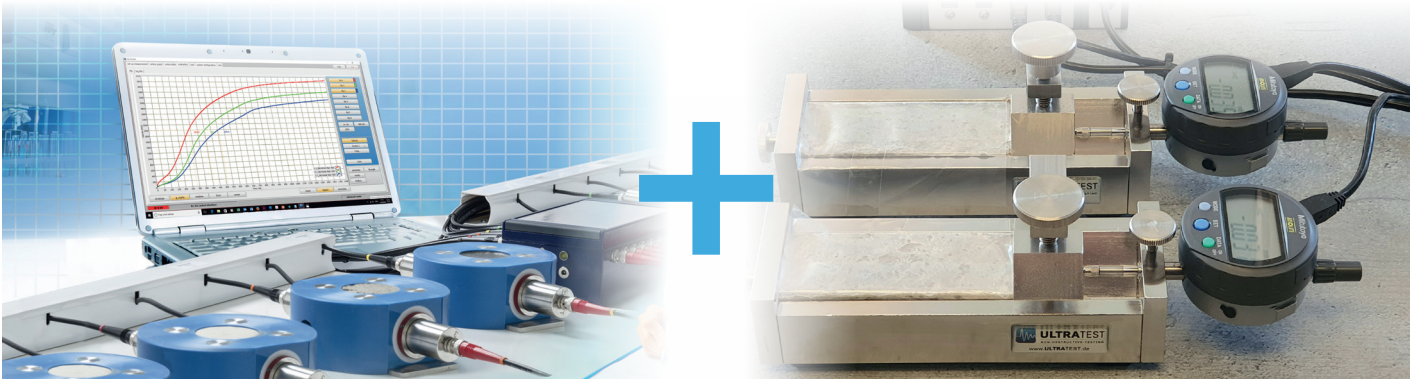


NEW: SHRINKAGE & EXPANSION MEASURING for IP-8 Ultrasonic Measuring Systems

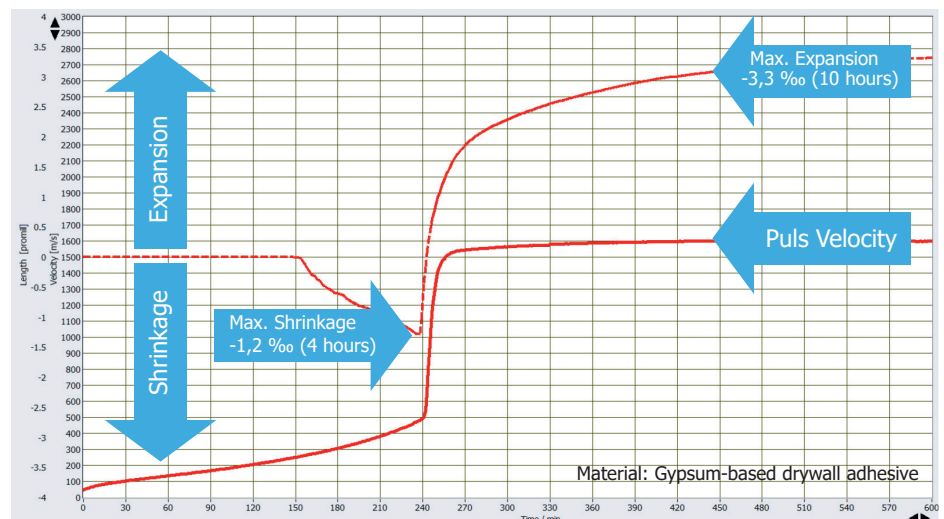
ASEM - Advanced Shrinkage & Expansion Measuring System



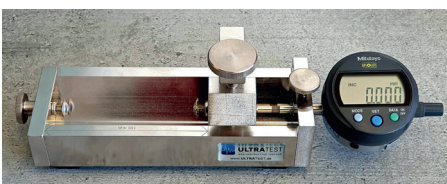
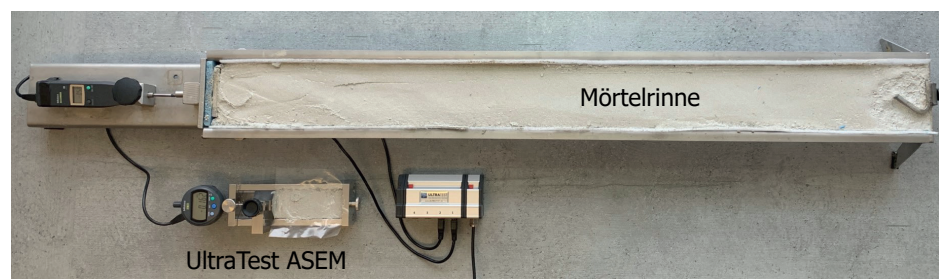
UltraTest Shrinkage and Expansion Measuring

- Simultaneous measurement of ultrasonic velocity and shrinkage / expansion
- Measurement of early shrinkage using sensitive and smooth-running measurement technology
- Precise measurement with milled and polished stainless steel prisms
- Very high repeatability (resolution 0.001 mm)
- Driver made of standardized stainless steel screws to remain in the sample (no breaking and cleaning necessary)
- Very easy cleaning thanks to electropolished surfaces
- Content: 45 ml = ca. 100 gr. material
- Suitable for all building materials with a grain size of up to 4 mm
- USB interface for connecting 1, 4 or 8 Mitutoyo Digimatic digital indicators
- Integration with UltraTestLab Software

Shrinkage & Expansion vs ultrasonic velocity



Comparison of Shrinkage Measuring Systems



ASEM-Groove and Mitutoyo Indicator

Properties	UltraTest System on the basis of DIN EN ISO 6873	Mortar Groove ÖNORM B 3329
Measuring length (mm)	100	1000
Accuracy (µm)	0,001	0,01
Content (cm³)	45	2400 - 4500
Stand Area (cm²)	189	1742