



Awsome the KS Curtain walling test rig

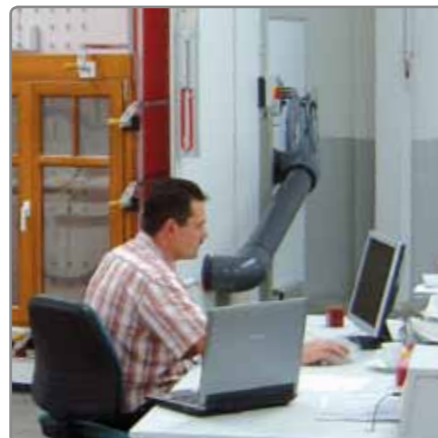
A massive steel construction with even, few joints casing constitute the basic construction of the test assembling. The devision, for exapmle, two test rooms makes possible a flexible testing in related to the quantity and dimension of the curtain wall elements. The accession to the test rooms occur through a entrance door and a connecting door between both rooms. Through opening the connecting door occur a big testing room- depending on the requirements for the testing situation.

Freely movable bridges simulated in the test chamber floor. The height setting occurs standard all 100 mm. The grid dimension is individually adapted to customer request.



Mobile test container reduce costs and saves space.

Test standards, Germany	
Test area	Curtain walls
Air permeability	EN 12152 EN 12153
Water tightness	EN 12154 EN 12155 EN 13050
Resistance at wind load	EN 12179 EN 13116



All test results are directly displayed on a PC and evaluated.



A perfectly sealed test chamber is formed through a specially developed sealing system.



Wind generator* for the dynamic water tightness test according EN 13050.

Comfortable adjustable and optimally equipped

Despite the high weight the upper test area cover can be moved easily over an electric winch. The counter weights at the back side of the test wall absorb the high forces and replace the cover fluent in position. The test chamber is sealed off so quickly and free of leaks.

The construction is equipped with a complete grid spraying system, a high-performance blower, electronic deflection sensor* and a computer control. The corresponding software represents on easiest way, all assessments required by the standard.



Spraying system for the watering according EN 12155.

Technical data KS Curtain Wall

Electrical connection	400V, 50Hz, 30kW
Air connection	1/4", 6 bar
Water circulating system	5.000 m³
Test block width	till 6.000 mm
Test block height	till 8.000 mm
Test room width	2.000, 4.000 or 6.000 mm
Test room depth	1.200 mm
External measure width	7.000 mm
External measure height	9.000 mm
External measure depth	2.500 mm
Working pressure (+/-)	5.000 Pa
Air volume flow at the test rig	7.000 m³/h
Volume flow for the air leak	0,5-1.500 m³/h
Other sizes without additional charges possible	

* Optional available

Advantages KS Curtain Walling

- Easy to handle
- Durable construction
- Electronical deflection sensor for measuring of the bending
- Perfectly sealed through especially developed sealed system
- Small, medium and bigger test room depending on requirements
- Water circulating system incl. drainage
- Grid allowance for the curtain walls elements according customers desires
- Precise measurements results
- Low maintenance
- EC-conform
- PC-controlled, network connection
- Size according to customer requirements to implement

Water tightness curtain walls

Class	Pressure steps in Pa and test time in min Pa/T	Water quantity l / (m² min)
R4	0/15, 50/5, 100/5, 150/5	2
R5	as R4 and 200/5, 300/5	2
R6	as R5 and 450/5	2
R7	as R6 and 600/5	2
RE _{xxx}	as R7, about 600/5 in steps of 50 PS and 5 min. time	2

Classification of the pressure steps after EN 12154