



TÜV Rheinland LGA Products GmbH

# Quality Certificate



The TÜV Rheinland LGA Products GmbH

confirms herewith that the company

**Hawa AG**  
**8932 Mettmenstetten / Switzerland**

has their product


**Concealed hinge to**  
**HAWA-Concepta 25/30/50**

tested/inspected and permanently supervised within the scope of a surveillance agreement according to the conditions as laid down in the general contract.  
The quality requirements as mentioned below are fully met.

Quality requirements acc.	Details
Strength and functionality	DIN EN 15570 und LGA- Richtlinie
Durability of the hinge without damper	40 000 cycles ( level 2)
Durability of the hinge with damper	80 000 cycles ( level 3)
Quality assurance	Third party monitoring and self monitoring

Nuremberg, 2010-12-13

Quality Certificate no. 60035551  
TRLP-Test Report no. 21156037

  
Dipl.-Ing. (FH) R. Heym  
Certification Body



Classification acc. DIN EN 15570: 2008

<b>Overload Tests</b>	<b>unit</b>	<b>level 1</b>	<b>level 2</b>	<b>level 3</b>
Vertical static overload	kg	-	20	30
Horizontal static overload	N	-	60	80

<b>Functional Tests</b>	<b>unit</b>	<b>level 1</b>	<b>level 2</b>	<b>level 3</b>
Vertical static load	kg	10	15	20
Horizontal static load	N	25	30	40
Slam test $m_2$	kg	2	3	4
Additional slam test for doors with dampers $m_3$	kg	min. 1, max. 2	min. 1, max. 2	min. 1, max. 2
Durability	cycles	20 000	40 000	80 000