



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

Hawa AG

8932 Mettmenstetten / SCHWEIZ

has their product

Fittings for folded panels made of wood and glass
HAWA-Variofold 80/H, HAWA-Centerfold 80/H
HAWA-Variofold 80/GV, HAWA-Centerfold 80/GV

tested/inspected and permanently supervised within the scope of a surveillance agreement

Quality requirements	Standards	Details
classification (see appendix)	DIN EN 1527 : 1998	- 6 3 0 - 0 - 3 3
durability	DIN EN 1527 : 1998	100.000 cycles
slam shut/open functional test	DIN 68859 : 2004	Requirements met
slam shut/open overload test	DIN 68859 : 2004	Requirements met
Quality assurance	ISO DIN 9001 : 2000	Third party monitoring and self monitoring

Nuremberg, 26.05.2004
modified, 30.12.2009

Quality Certificate no. **1220**
LGA-Test Report no. 734 1238



i.v. W. Schubert
Dr.-Ing. W. Schubert
Certification Body

i.v. R. Heym
Dipl.-Ing.(FH) R. Heym
Head of the Furniture Testing Institute

Classification acc. DIN EN 1527 : 1998

Category of use (1st digit):

No grade identified for these products

Durability (2nd digit):

grade 1 = 2500 cycles
 grade 2 = 5000 cycles
 grade 3 = 10000 cycles
 grade 4 = 25000 cycles
 grade 5 = 50000 cycles
 grade 6 = 100000 cycles

Door mass (3rd digit):

grade 1 = door up to 50 kg
 grade 2 = door from 51 to 100 kg
 grade 3 = door from 101 to 330 kg
 grade 4 = door over 330 kg

Fire resistance (4rd digit):

grade 0 = not approved for use on fire door assemblies
 grade 1 = suitable for use on fire door assemblies

Safety (5th digit):

No grade identified for these products

Corrosion resistance (6th digit):

Products are classified from 1 to 4 according to the five grades defined in EN 1670.
 Grade 0 is for products not tested.

Security (7th digit):

No grade identified for these products

Category of door (8th digit):

grade 1 = sliding door
 grade 2 = folding door (bi-fold type)
 grade 3 = multi-panel folding door

Initial friction (9th digit):

Three grades are defined:

Door mass	Up to 50 kg	51-100 kg	101-330 kg	> 330 kg
grade 1	50 N	80 N	100 N	5 % of the mass
grade 2	40 N	60 N	5 % of the mass	4 % der Türmasse
grade 3	30 N	40 N	4 % of hte mass	3 % der Türmasse