

## Quality Certificate

Hawa Sliding Solutions AG hereby certifies that the sliding door fittings of the product lines **Hawa Centerfold/Variofold 80 H/GV** comply with the requirements of **EN 1527**.

### Test information

Classification:	EN 1527 : 1998	
Door weight:	80 kg	
Durability:	100'000 cycles	
Overload test:	DIN 68859 : 2004 - Level 3	
Functional test:	DIN 68859 : 2004 - Level 3	

### Additional information

Ease of installation:	Requirements complied
Tested by:	Laboratory, TÜV Rheinland LGA Products GmbH, Nürnberg, Germany, test certificate no. 1220
Quality assurance:	External and internal monitoring in accordance with SN EN ISO 9001 : 2015

Mettmenstetten, January 1st 2021



**Ezequiel Di Claudio**

Chief Executive Officer (CEO)



**Peter Möller**

Chief Executive Officer (CEO)



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 (1<sup>st</sup> digit):**

No grade identified for these products

**Durability (2<sup>nd</sup> 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 (3<sup>rd</sup> 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 (4<sup>rd</sup> digit):**

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

**Safety (5<sup>th</sup> digit):**

No grade identified for these products

**Corrosion resistance (6<sup>th</sup> 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 (7<sup>th</sup> digit):**

No grade identified for these products

**Category of door (8<sup>th</sup> digit):**

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

**Initial friction (9<sup>th</sup> 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 % of the mass
grade 3	30 N	40 N	4 % of the mass	3 % of the mass