

DORMA-Glas GmbH
Max-Planck-Str. 33-45
D-32107 Bad Salzuflen

Bad Salzuflen 05.01.2017

herewith certifies that the product

MUTO Comfort XL Synchro 80/150

Building hardware for manually operated sliding doors

fulfils the following requirements:

Classification DIN EN 1527:2013

	1	2	3	4	5	6	7	8	9
Typ XL 80	-	6	3	-	1	4	-	1	3
Typ XL 150	-	6	3	-	1	4	-	1	3

DIN EN 1527:2013	
1. Category of use:	No grade identified for these products
2. Durability:	Grade 6 = 100.000 test cycles 200.000 test cycles according dormakaba Standard
3. Max door leaf mass XL 80 Synchro: Max door leaf mass XL 150 Synchro:	Grade 3 = 2 x 80kg Grade 2 = 2 x 150kg
4. Fire resistance:	No grade identified for these products
5. Safety:	Grade 1
6. Corrosion resistance:	Grade X = very high corrosion resistance
7. Security:	No grade identified for these products
8. Category of door:	Grade 1 = Sliding door
9. Initial friction maximum permitted value XL80: Initial friction maximum permitted value XL150:	Grade 3 = 64N Grade 3 = 120N NOTE: For products with a door mass from 101 kg to 330 kg
Environmental conditions and requirements regarding installation and operation	
Operable temperature range LSG:	max. 40°C (</= 3h impact time)
Operable temperature range TSG:	max. 70°C
Glass type:	TSG and LSG made of TSG (>/=0.76mm PVB foil, >/=5mm thickness)
Glass thickness:	8 - 13,5mm
Glass surface:	transparent, satin-finished, no self-cleaning surfaces in the area of the carriage (Lotus, Clearshield etc.)
Usage in moist rooms without appreciable pollution through chloride- and/or sulphur dioxide:	Suitable
Usage in pool areas etc. with pollution through chloride- and/or sulphur dioxide:	Not suitable