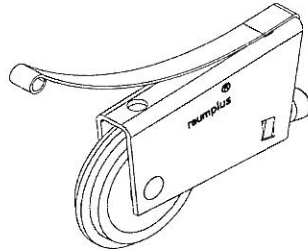


Test Certificate

No. 201006E-001

Product: Bottom Roller, Item-No.: 10.01.120 and 10.01.020



The test item has carefully been controlled by qualified technical staff in the raumplus test center. The bottom rollers have to tolerate a maximum load of (+1 % - 0 %) during 48 hours. The following processing parameters have been achieved without any impairment of function:

Processing

Parameter: Procedure distance: 1200mm
Acceleration: 0,5m/s²
Speed: 0,5m/s
Holding Time: 5 seconds
Room temperature: approx. 20,5 °C

Date	Test Type:	Number of Cycles*	Weight	Inspected by:
16/03/2009	Durability test	31.527	86 kg	A. Riechmann
03/03/2010	Quality control	10.000	60 kg	M. Paske
08/03/2010	Endurance test	10.000	180 kg	A. Riechmann
12/03/2010	Flattening test	10.000	180 kg	A. Riechmann
19/03/2010	Comparison test	20.000	180 kg	A. Riechmann
15/04/2010	Quality control	30.000	40 kg	M. Paske
20/04/2010	Quality control	40.000	40 kg	M. Paske
28/04/2010	Quality control	50.000	40 kg	M. Paske
18/05/2010	Quality control	30.000	40 kg	M. Paske

* One cycle consists of one forward and one backward motion. Between these two motions a holding time of 10 seconds has to be observed.

Approved by:
D. Lesemann
Technics and Product Development Manager



raumplus