

Technical information

1.20 - 0309

**Sound reduction index in accordance with DIN 52210 Teil 3**

Institut für Schall- und Wärmeschutz  
(Institute for sound and thermal insulation)  
Dipl.- Math. and Phys. Kröger, Essen-Steele

	rated sound reduction index $R_{w,P}$
1. 2 roller shutters <b>1.100 D</b> at a distance of 136 mm 1,25 mm steel, galvanised with mineral fibrous insulating material	<b>46 dB</b>
2. 1 roller shutter <b>1.100 D</b> 1,25 mm steel, galvanised with mineral fibrous insulating material	<b>31 dB</b>
3. 1 roller shutter <b>1.100 D</b> 1,00 mm steel, galvanised with mineral fibrous insulating material	<b>28 dB</b>
4. 1 roller shutter <b>1.100 D</b> 1,00 mm steel, galvanised, plastic coil coated on both sides with mineral fibrous insulating material	<b>25 dB</b>
5. 1 roller shutter <b>1.100 D</b> 1,25 mm aluminium AlMg2Mn 0,8 G 22 with polystyrene foam filling	<b>24 dB</b>
6. 1 roller shutter <b>1.100 D</b> 1,00 mm aluminium AlMg2Mn 0,8 G 22 with polystyrene hard foam filling	<b>24 dB</b>

**Sound reduction index in accordance with DIN ISO 140-3**

TÜV NORD Systems GmbH & Co. KG, Essen  
Dipl.- Ing. Stefan Gurgel

	rated sound reduction index $R_{w,P}$
1. 1 roller shutter <b>1.100 D</b> 1,50 mm steel, galvanised, with mineral fibrous insulating filling	<b>35 dB</b>
2. 1 roller shutter <b>1.100 D</b> 1,50 mm aluminium bright with mineral fibrous insulating filling	<b>29 dB</b>
3. 1 roller shutter <b>1.100 D</b> 1,25 mm aluminium 3 my with mineral fibrous insulating filling	<b>24 dB</b>
4. 1 roller shutter <b>ISO-Plus</b> 1,25 mm steel, galvanised, with polystyrene foam filling	<b>30 dB</b>
5. 1 roller shutter <b>1.95 R</b> 0,40 mm steel, galvanised, with polystyrene foam filling	<b>27 dB</b>

We have the original certificates.