

Product reference: Soundroll 30 and Soundroll 31

Product application: Commercial and Industrial Sound Control

Key Features:

Operating speed: Average speed of up to 150mm/s

Leaf format: Single curtain vertical rolling

Support frame: Heavy duty steel fabricated legs. Standard finish polyester powder coat RAL 3020 – Red. Other standard RAL colours are available.

Canopy: Full width roller canopy finished to match the support frame

Motor Cover: Included as standard in the door structure

Technical Data:

Curtain specification: 22mm thick galvanised steel profile complete with asymmetrically arranged acoustic attenuating core

Acoustic performance: Choice of two cores, one to provide R_w 30dB and a dense core to provide R_w 31dB – see acoustic profiles overleaf

Fire resistance: Up to 60 minutes EN 1634-1 (Soundroll 31 only)

U value: Soundroll 30: 1.85W/m²K / Soundroll 31: 2.91W/m²K

Standard colour: Natural galvanised steel finish. Polyester powder coat colours are available

Curtain features: Wind end locked curtain to ensure a wind load category of Class 5 (1250Pa)
Low friction lath end inserts to ensure a smooth running operation
Roller anti-deflection system to ensure effective seal compression

Controls:

Controller type: Microprocessor based control system with low voltage controls

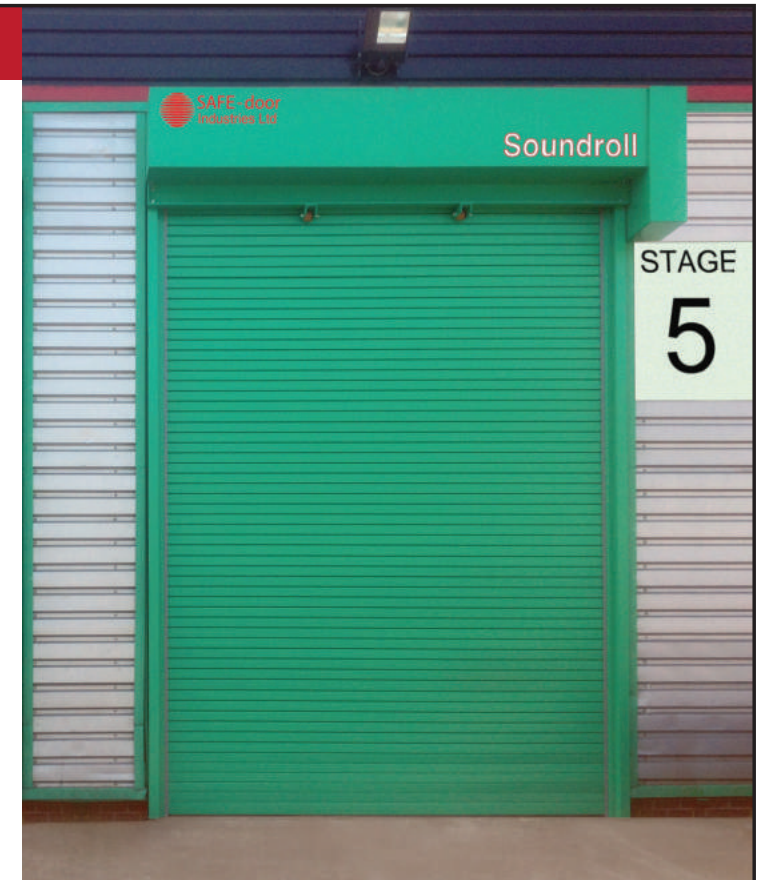
Supply: 400V, 3ph, 50Hz, 16A (Class C MCB)

Local controls: 3-way pushbutton station (OPEN ~ STOP ~ CLOSE) to the drive side of the opening

Operation: Momentary pushbutton to open and maintained pushbutton to close.
Option available for full or partial automation

Cabinet: IP54 ABS controller enclosure

Motor power: High efficiency drives at up to 2.5kW dependant on door size



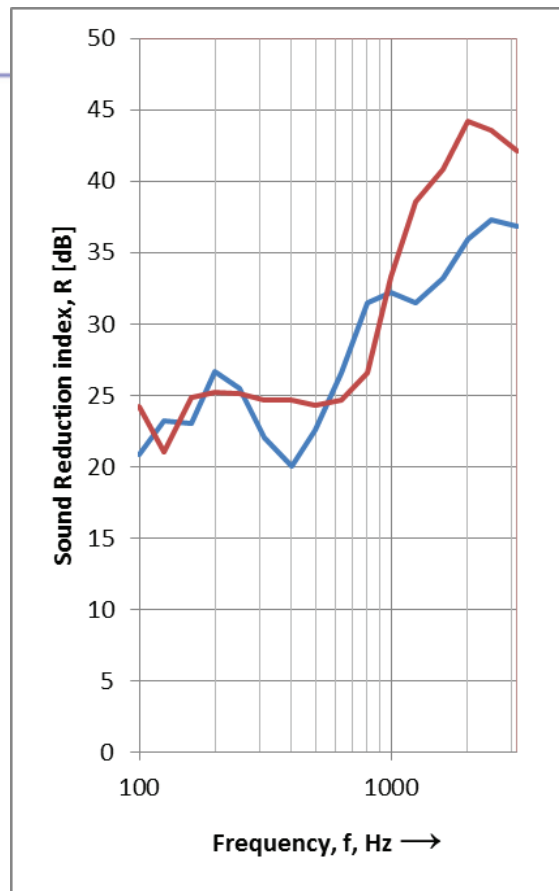
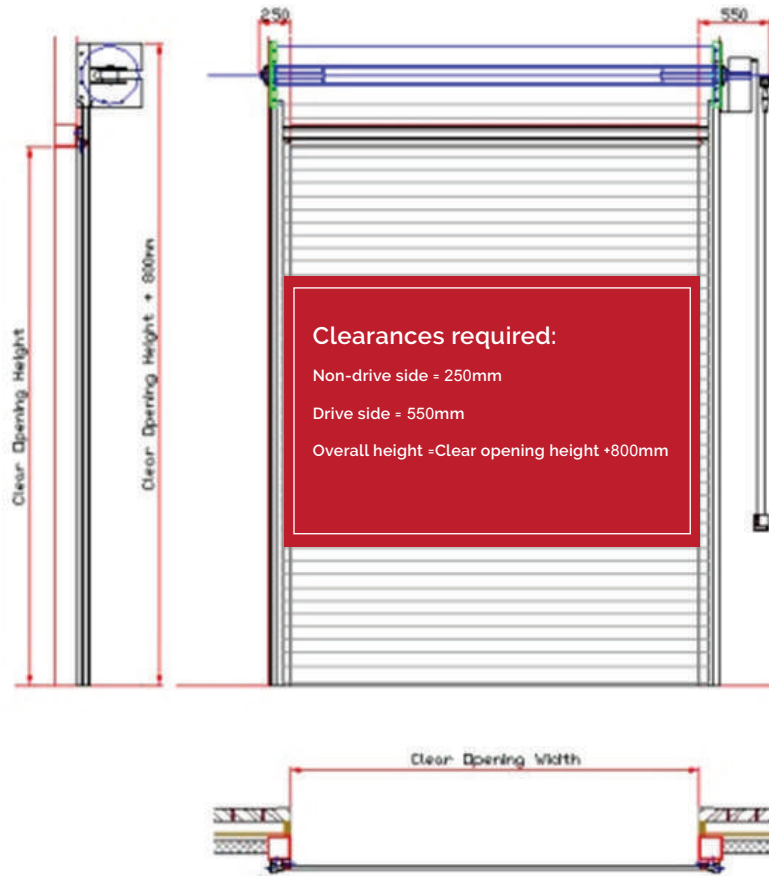
 **SAFE-door
Industries Ltd**
separating environments through innovation

- Motor gearbox:** Specifically designed for use on rolling doors with an integrated safety gear with anti-fall device built in
- Gearbox features:** Robust low maintenance drive unit with integrated limit switches for accurate positioning. Self-adjusting motor brake
- Manual operation:** Low level manual disconnect complete with haul chain for emergency manual operation
- Bottom Lath:** With integrated acoustic threshold seal
- Standards:** The door complies with the requirements of EN 13241-1



Outline dimensions

Acoustic performance data



Frequency f [Hz]	R 1/3 Octave [dB]	R 1/3 Octave [dB]
100	20.8	24.2
125	23.2	21
160	23	24.8
200	26.7	25.2
250	25.5	25.1
315	22	24.7
400	20	24.7
500	22.6	24.3
630	26.6	24.7
800	31.5	26.6
1000	32.2	33.3
1250	31.5	38.6
1600	33.2	40.8
2000	35.9	44.2
2500	37.3	43.6
3150	36.8	42.1
R _w	30	31
C	-1	-1
C _{tr}	-3	-3