



system-description: **FILCOTEN® light NW100**

Line-drainage-system consisting of:

- **Channel Body** made of FILCOTEN® fibre composite material, standard length 1000mm, with safety seam
optional: channels with internal slope 0.5% / with or without bottom outlet / 500mm / mini Load Class A15kN – C250kN; tested according to EN1433; CE-certified
no crossbars in the channel cross-section
tested and recommended by the IBR (Institut für Baubiologie Rosenheim)
- **Channel Covers** A15kN – C250kN depending on the requirements out of galvanised steel, stainless steel 1.4301 or cast iron (GGG): mesh grating MW30/10, ductile iron bar grating MW15/25, slot tops SW12,5 or 18mm
- **Accessories:**
sump unit: out of FILCOTEN® fibre composite material
optional: silt bucket (plastic), odour trap (plastic)
Front and end plates out of galvanized steel or stainless steel 1.4301, with or without outlet



specification text:

1. Prefabricated drainage channels, of mineral cement-fibre composite material FILCOTEN® to load class C250kN, according to EN1433 - CE certified, IBR tested and not flammable (class A1) with or without drain hole and integrated anchorage back taper.

Dimensions:

Construction length: 1000mm (500mm - on channels without slope)

NW100 mini:	width: 126mm	height: 55mm
NW100:	width: 126mm	height: 115 - 165 mm
max. weight:	NW 100 mini: 7,7kg	NW100: 10,7 – 16,0kg

2. gratings made of galvanized steel, stainless steel (1.4301) or cast iron, load class A15kN – C250kN, according to EN1433 - CE certified

cl. A: slotted grating:	length 1000/500mm	SW8/85 – galvanized steel	SW5/85 – 1.4301
cl. B: mesh grating:	length 1000/500mm	MW 30/10	galvanized steel and 1.4301
cl. C: ductile iron bar grating:	length 500mm	MW 15/25	ductile iron or KTL-coated

Slot top asymmetric made of galvanized steel or stainless steel, SW 12,5mm and 18mm, SH 80mm and 110mm,

Load classes: B125kN and C250kN (Class D400kN on request)

cl. B: slotted top:	length 1000mm	height 103mm	SW 12,5mm
cl. C: slotted top:	length 1000mm	height 133mm	SW 12,5 and 18mm
Maintenance unit to slot top:	length 500mm		

Slot inlay square-perforation 8/8mm for SW 18mm: length 1000/500mm

Construction time barrier out of wood for SW12,5/18: length 1000mm

3. sump unit of fibre composite material FILCOTEN®
Dimensions: length 500mm, (VxH) 140x500mm
outlet: DN 100 by pipe-coupling
optional: silt bucket and odour trap made of plastic
4. front / end plates with or without outlet DN100 galvanized steel or stainless steel (1.4301)
5. odour trap for bottom outlet DN100 made of plastic
6. Locking clip for mesh grating, galvanized / ductile iron bar grating – black coated