



Line-drainage-system consisting of:

- **Channel Body** made of FILCOTEN[®] fibre composite material with concreted edge made of galvanized steel or stainless steel I.430I, 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
4 times fiX-shutter per cover, 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 galvanized steel, stainless steel or cast iron (GGG) with fiX-shutter: mesh grating MW30/10, ductile iron bar grating MW29/13, slot tops SW12,5 or 18mm
- **Accessories:**
sump unit: out of FILCOTEN[®] fibre composite material with concreted galvanized edge matching the channel
optional: silt bucket (plastic), odour trap (plastic)
Front and end plates out of galvanized steel, with or without outlet, additional anti vandalism locking device



specification text:

1. Prefabricated drainage channels, of cement-bounded, mineral, fibre composite material FILCOTEN[®] with concreted galvanized steel or stainless steel edge up 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.

construction length:	1000mm (500mm - on channels without slope)		
NW100 mini:	width: 130mm	height: 80mm	
NW100:	width: 130mm	height: 135 – 185mm	
max. weight:	mini: 9,1kg	0 – 10-0: 13,0 – 18,7kg	
2. gratings made of galvanized steel, stainless steel or cast iron with integrated protection against longitudinal movement and fiX-shutter, load class A15kN – C250kN, according to EN1433 - CE certified

cl. A: slotted grating:	length 1000/500mm	SW8/80	galvanized steel and I.430I
cl. A: perforated grating:	length 1000/500mm	d6mm	galvanized steel and I.430I
cl. B: mesh grating:	length 1000/500mm	MW30/10	galvanized steel
cl. C: slotted grating:	length 1000/500mm	SW8/80	galvanized steel and I.430I
cl. C: perforated grating:	length 1000/500mm	d6mm	galvanized steel and I.430I
cl. C: mesh grating:	length 1000/500mm	MW30/10	galvanized steel and I.430I
cl. C: COMBee	length 500mm	d7mm	polyamide
cl. C: ductile iron bar grating:	length 500mm	MW29/13	ductile iron
cl. C: ductile iron bar grating:	length 500mm	MW29/6	ductile iron

Slot top asymmetric made of galvanized steel or stainless steel, SW 12,5mm and 18mm, SH 110mm
Load classes: C250kN (Class D400kN on request)

cl. C: slotted top:	length 1000/500mm	height 133mm
Maintenance unit to slot top:	length 500mm	

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

Construction time barrier out of wood for SW12,5/18: length 1000mm
3. sump unit made of FILCOTEN[®] fibre composite material with concreted edge made of galvanized or stainless steel
Dimensions: length 500mm, (WxH) 144x500mm
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 I.430I



system-description: FILCOTEN® tec NW100

5. anti-vandalism locking device made of stainless steel; crosspiece for blocking the fiX-shutter
6. odour trap for bottom outlet DNI00 made of plastic