

Results 12.11.2015

Air terminal device: WS-X 35

Manufacturer: Alupro

Effectiveness for removal of simulated rain

EN 13030:2001

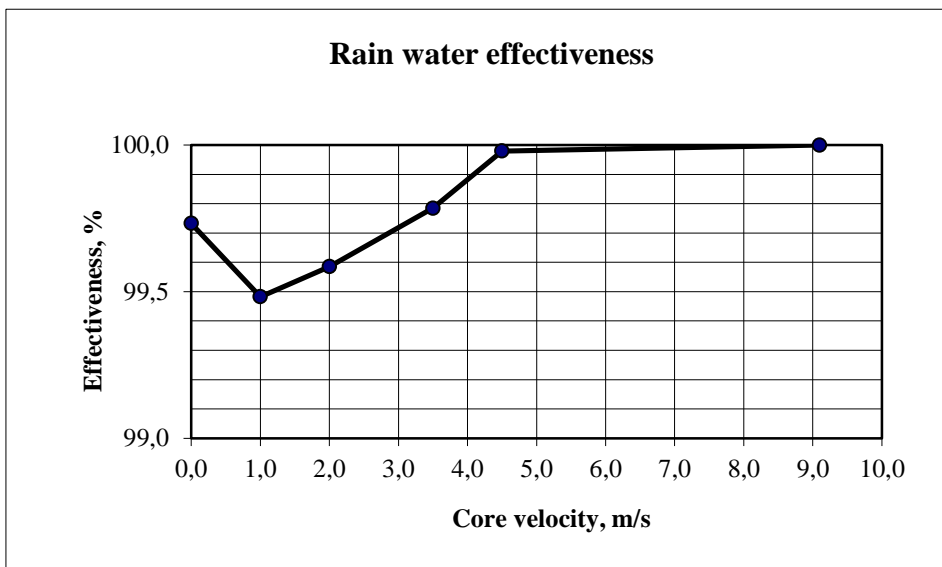
Rainfall rate: 75 (l/h)/m², (75 mm/h)

Core area:

width: 985 mm

height: 895 mm

area: 0,882 m²



Air flow rate		Rain water flow rates				Performance	
q _v	v	q _r	q _d	q _{ro}	q _{do}	E	Class
m ³ /s	m/s	l/h	l/h	(l/h)/m ²	(l/h)/m ²	%	
0,00	0,00	66,12	0,177	75,00	0,200	99,7	A
0,88	1,00	66,12	0,342	75,00	0,388	99,5	A
1,76	2,00	66,12	0,274	75,00	0,311	99,6	A
3,09	3,50	66,12	0,142	75,00	0,161	99,8	A
3,97	4,50	66,12	0,014	75,00	0,015	100,0	A
8,02	9,10	67,00	0,000	76,00	0,000	100,0	A

Symbols and units

q_v Air flow rate, m³/s

v Core velocity, m/s

q_r Rain water flow loading the device, l/h

q_d Rain water flow penetrating the device, l/h

q_{ro} Rain water flow loading the device per core area, (l/h)/m²

q_{do} Rain water flow penetrating the device per core area, (l/h)/m²

E Effectiveness, %