DEWMARK HYDRO
WR-H 79

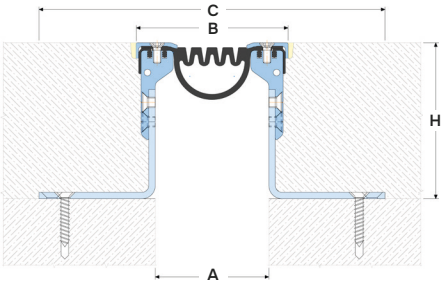
Max load 600 kN

Recess mounted

Joint width up to 1000 mm

Movements in 6 directions

Indoor/ outdoor



DESIGNATIONS:

A – nominal joint width;
B – visible width;
C – full width (min mounting seat);
H – installation depth;
M_x – horizontal movements;
M_y – vertical movements.

Profile	Type of cover[2]	Type of apron[3]	Sizes, mm				Movements, mm		Permissible loads[4] (kN)			
			A	B	C	...=H[1]	M_x	M_y				
WR-H 79/50/...[1]	AL / SS	S / M / L	50	88	210	Any customised from 80 mm	40 (+20/-20)	20 (+10/-10)	50	600	70	–
WR-H 79/60/...[1]	AL / SS	S / M / L	60	98	220		50 (+25/-25)	20 (+10/-10)	50	600	70	–
WR-H 79/80/...[1]	AL / SS	S / M / L	80	118	240		60 (+30/-30)	20 (+10/-10)	50	600	70	–
WR-H 79/100/...[1]	AL / SS	S / M / L	100	138	260		70 (+35/-35)	20 (+10/-10)	50	600	70	–
WR-H 79/120/...[1]	AL / SS	S / M / L	120	148	280		80 (+40/-40)	20 (+10/-10)	50	600	70	–

[1] Choice of two types of covers (See “Standard types of covers”).

TECHNICAL DATA

FRAME

Material	Aluminum EN AW 6063 T6 (T66[3])
Tolerances	EN 12020-2:2008
Strength, MPa	σ_B=205 (250[3])
Length, m	2,5
Tooling	Countersunk head mounting holes
Fasteners	Included (Screws Rawlplug R-LX-5x50-CS)

COVER

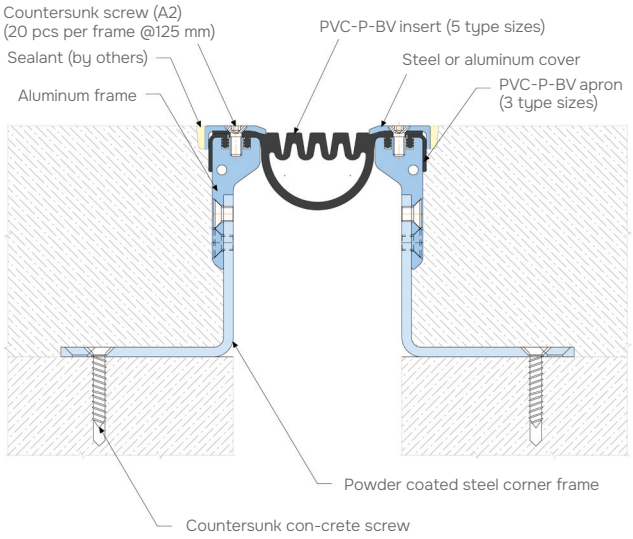
	Aluminum EN AW 6063 T6 (T66[3])	AISI 304[4] (1.4301)
Material (2 types)		
Profile designation[3]	AL	SS
Strength, MPa	σ_B=205 (250[3])	σ_B=515
Tolerances	EN 12020-2:2008	EN 1090-2
Length, m	2,5	2,5
Tooling	Mounting holes	Mounting holes

INSERT & APRONS

Material	PVC-P
Resistant	30...+100°C, UV+O_3+Bitum – resistant
Length, m	20 meters per roll
Color	Black

[3] For EU market.
[4] On request, the cover can be made of other types of stainless steel: AISI 316, 430 or others.
[5] On request, the insert can be made in any RAL color (ask for details).

EQUIPMENT PROFILE



LABELING (example)

Additional cover to protect the insert (marked if required – see "Additional covers")

Profile height (May have a double meaning if a different height version is used – see #4)

Joint Width

WR-H 79/50/100/S/AL-FS

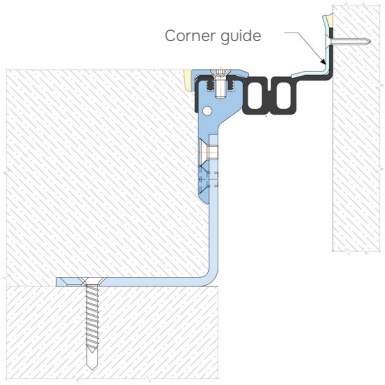
Profile Series:
WR 79 – standard version
WR-H 79 (marked if required – see "Corner version")

Type of apron

Type of cover

CORNER VERSION

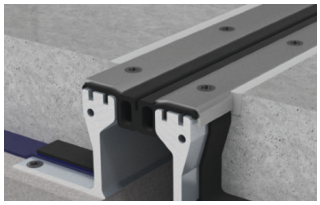
Profiles have corner versions for Floor-to-wall connections (joint along the wall).

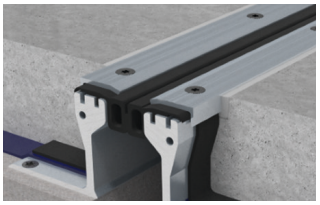


EXECUTION OPTIONS

STANDARD TYPES OF COVER

The profile can be completed with covers made of AISI 304 stainless steel or aluminum EN AW 6063T6 (T66[3]).





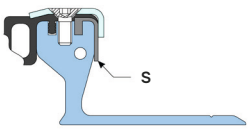
The cover material is selected based on the operating conditions and the nature of the environment:

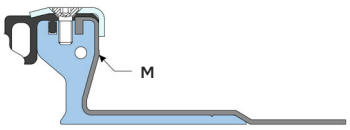
- Water+light chemistry – aluminum (profile has the AL index);
- Water/chemistry/salts/acids – AISI 304 (index SS).

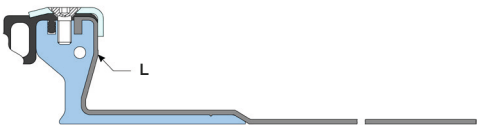
STANDARD TYPES OF APRONS

The profile is available in three different in width by types of waterproofing aprons:

- S – 20 mm wide;
- M – 140 mm wide;
- L – 360 mm wide;

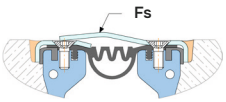




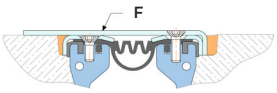


ADDITIONAL COVERS (OPTIONAL)

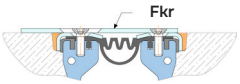
To protect the insert from mechanical damage, four types of F-covers can be used:



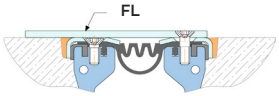
Fs – cover overlapping the insert replacing one of the standard ones (index Fs in the profile).



F – additional cover overlapping insert 3 mm thick (index F in the profile).



Fkr – additional overlay overlapping the insert 3 mm thick, fastened on both sides (Fkr index in the profile).



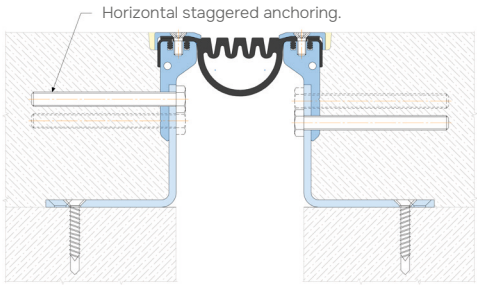
FL – additional overlay covering the insert with a thickness of 4 or 5 mm (index FL in the profile).

NOTE!!

- It is not allowed to use these types of covers when moving adjacent plates in a vertical plane (My)
- It is not recommended to use them in heavy traffic.

ADDITIONAL HORIZONTAL ANCHORING

For heights above 150 mm we recommend the use of additional horizon-tal anchoring for a more secure anchoring of the profile in concrete. NOTE: not suitable for M and L aprons



SEALANT GROOVE FORMER (OPTIONAL)

The profile can be completed with a special strip (Stripform 73), which forms a technological gap along the profile necessary to create a transition zone between the profile and the topcoat.