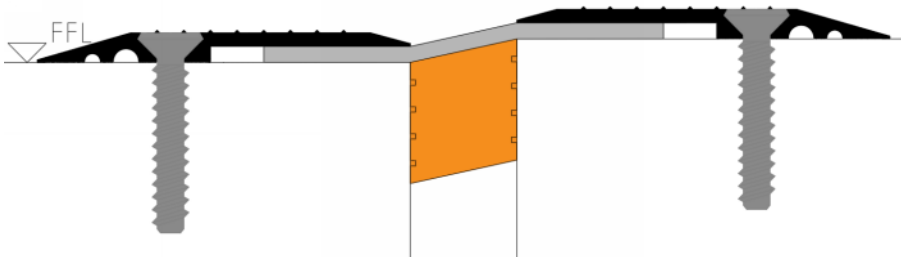


Brawny Coverplate EJs

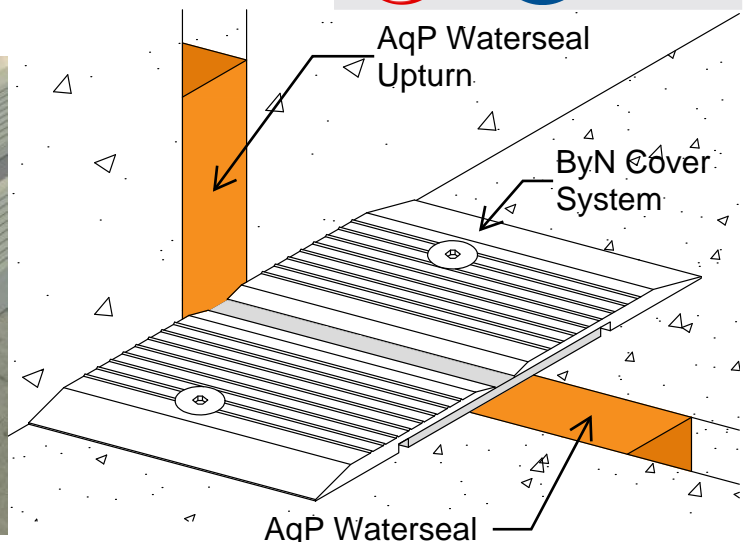
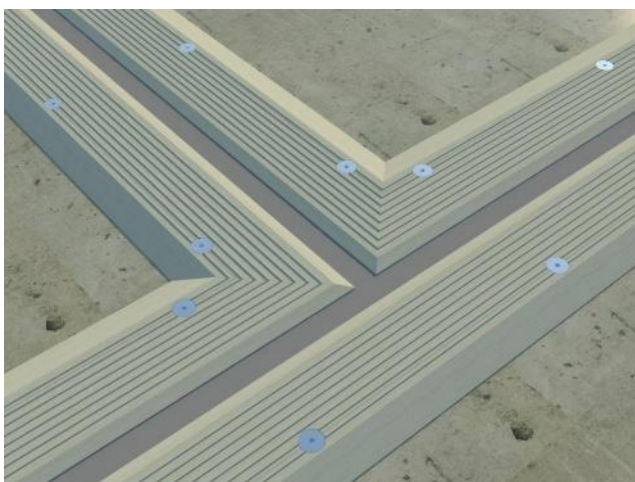
Brawny-NS/Aquo-P: The ByNS/AqP is an innovative carpark expansion joint system which offers multi-directional movement including 'differential-vertical'. The ByNS is designed as a platform over AquoP waterseal. AqP has been in use for 18 years, and has successfully waterproofed kilometers of expansion joints in commercial and public buildings including critical waterproofing of expansion joints in roof-top carparks & stadia. The ByNA is a sub-category under ByNS. It has the same horizontal movement range as ByNS but can be used without AqP EJ system.



Vertical Movement:



T-Junction Installation:



Page 1 of 3

Disclaimer: All design rights reserved. Design and specifications are subject to change without notice. The manufacturer does not accept liability where the material on these pages is misconceived, exploited, or lacks conformity. The intention of this information is to provide a reasonable description of products, procedures and capabilities. Rev.21



ByNS/AqP

Patent No. AU2018100184



Performance

- Horizontal & Vertical Movement
- Certified Disability Accessible
- Surface Mounted
- High Capacity
- 100% Waterproof Seal Available
- P4 Slip resistance tested to AS 4568

Compatible Finishes

- Epoxy
- Concrete
- Polished/Burnished Concrete

Standard Length

4.8m

Standard Finish

Anodised Aluminium

Options

Clear Anodised

CI

Fire Rating



Water Proof



Brawny Coverplate EJs

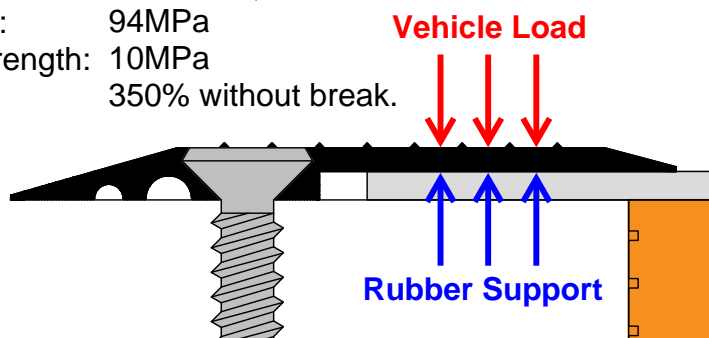
Aluminium:

Grade: **6061 T6** Structural Grade Aluminium.
 Finish: 20 micron Clear anodise. Scratch resistance. Surface easy to clean and no white rust.
 Surface: Knurled surface for dry and wet slip resistance. Conforms to AS 4586 **Class D1** and **Class P4**.
 Load Capacity: Conform to **AS1664.2**, **AS1170.0** and **AS1170.1**.



Rubber Pad:

Material: **EPDM Synthetic Rubber.**
 Features: **UV Stable, Chemical Resistance.**
 Tensile Strength: 94MPa
 Compressive Strength: 10MPa
 Elongation: 350% without break.



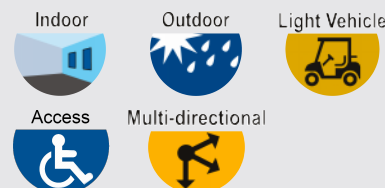
Fastener:

Material: High Tensile Boron Steel
 Finish: 20 micron Galvanised Coating.
 Features: Easy to fix and remove.
Less interference with reinforcement steel.
 Shear Strength: 55.7MPa (40MPa Concrete)
 Tension Strength: 21.9MPa (40MPa Concrete)
 Max. Torque Setting: 350Nm



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Standard Finish

Anodised Aluminium

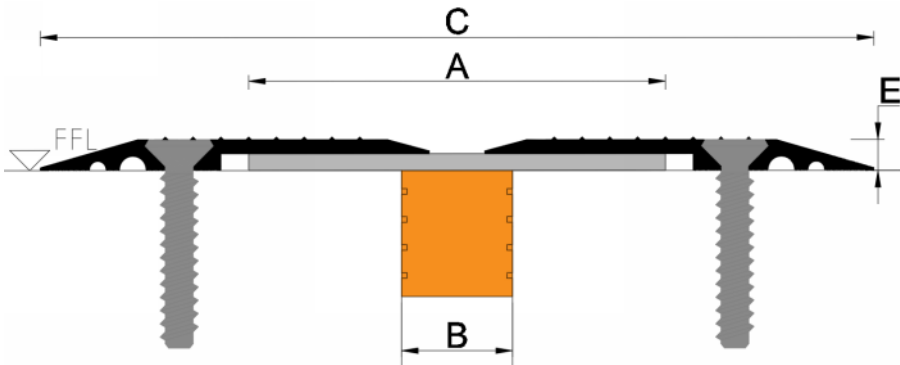
Options



Unison's Brawny N Coverplate system has been 3rd party engineered to ensure it is structurally sound. Structural grade 6061 T6 anodised aluminium extrusions are combined with a continuous rubber pad(support), which has an engineered minimum compressive strength. This means that the cantilever extrusion design has adequate support for the harsh environment of commercial carpark traffic. The substrates supporting these extrusions should be flat, level and clean at installation time.

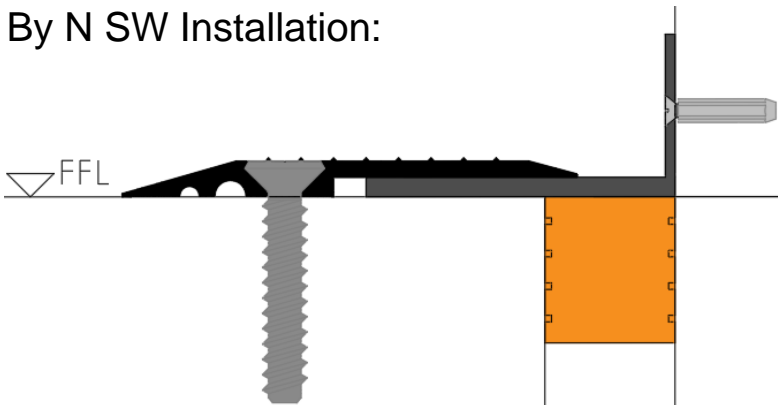
Brawny Coverplate EJs

By N S Installation:



*AqP ordered separately.

By N SW Installation:



*AqP ordered separately.



ByNS/AqP

Patent No. AU2018100184



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Standard Finish

Anodised Aluminium

Options



Product	A: Rubber Pad		B: Gap				C: Exposed Width			Vertical Movement
	Width	Thick	Min.	Mid.	Max.	Mvmt.	Min.	Mid.	Max.	
By150N	150	6	40	75	110	70	280	315	350	±50
By170N	170	6	60	95	130	70	300	335	370	±50
By200N	200	6	90	125	160	70	330	365	400	±50

By NA Alloy Plate Model Available

Block Out: 11E

*Refer to AqP Product Data Sheet for water seal sizing information.