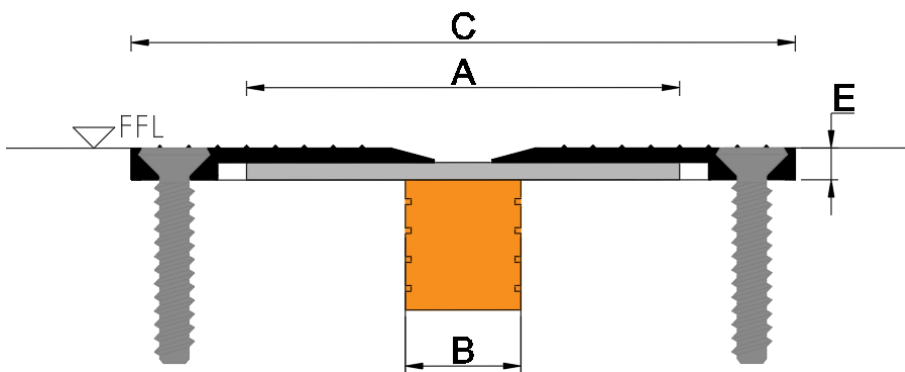
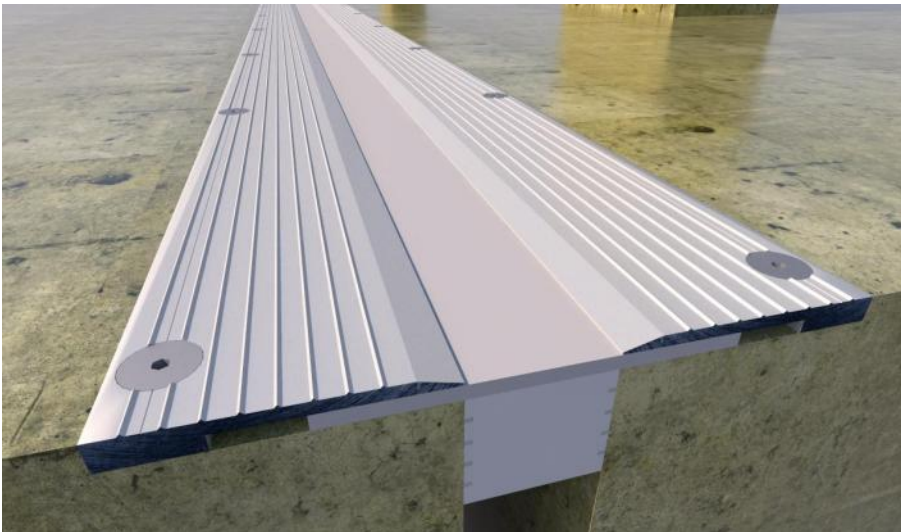


Brawny NF Coverplate EJs

Brawny-NF/Aquo-P: The ByNF/AqP is an innovative carpark expansion joint system which offers multi-directional movement including 'differential-vertical'. The ByNF is designed as a platform over AquoP waterseal. AquoP 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 ByNAF is a sub-category under ByNF. It has the same horizontal movement range as ByNF but can be used without AquoP EJ system.



*AquoP ordered separately.



ByNF/Aq

Patent No. AU2018100184



Performance

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

Compatible Finishes

- Epoxy
- Concrete
- Polished/Burnished Concrete

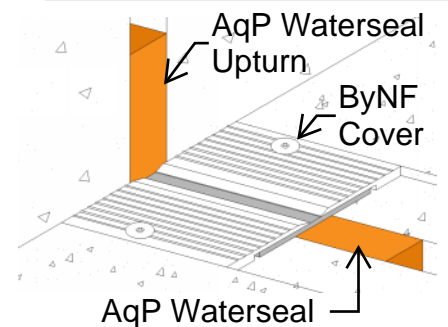
Standard Length

4.8m

Standard Finish

Anodised Aluminium

Options



Product	A: Rubber Pad		B: Gap				C: Exposed Width			Vertical Movement
	Width	Thick	Min.	Mid.	Max.	Mvmt.	Min.	Mid.	Max.	
By150NF	150	6	40	75	110	70	210	245	280	±50
By170NF	170	6	60	95	130	70	230	265	300	±50
By200NF	200	6	90	125	160	70	260	295	330	±50

Block Out: 11E

Page 1 of 2

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Brawny Coverplate EJs

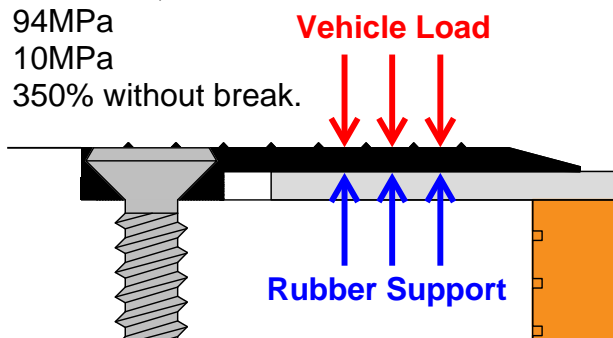
Aluminium:

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.



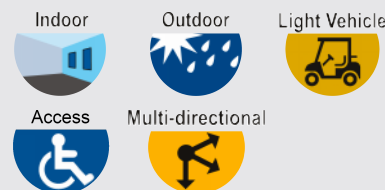
Fastener:

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



ByNF/AqP

Patent No. AU2018100184



Performance

Horizontal & Vertical Movement
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 Surface & Flush 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



Unison's Brawny NF 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.