

GRANOR
RUBBER & ENGINEERING
BUILT ON MOVEMENT

GRANOR AUSFLEX[®] P2 STRIPSEAL

DESIGN FEATURES

The Granor® Series “P2” Stripseal Expansion Joint is designed for light duty applications typically in walkways and pedestrian bridges. The Granor® “P2” system can be used in conjunction with separately placed aluminium cover plates secured over the “P2” joint in combination with Type “D” or Type “F” stripseal elastomeric glands.

The Series “P2” Expansion Joints side seal retaining aluminium elements can either be cast-in to the concrete pour, or bolted into place using countersunk head flush fitting fixings as shown in Page 2. The Series “P2” system is adaptable to numerous applications other than for pedestrian trafficked locations, anywhere that a sealed joint is required in a steel or concrete interfaced location. The various range of central elastomeric seals enables coverage for movements up to 125mm.

STRUCTURAL MARINE GRADE

ALUMINIUM SEAL RETAINERS



Historic seal designations (65D, 75D, 65F, 75F, 125F) and installation approaches with stainless steel dynabolts or cast-in ligatures are superseded.

Please contact Granor if you need advice on the most suitable substitute.

ELASTOMERIC GLAND SPECIFICATIONS

PROPERTY	REQUIREMENT	TEST METHOD
Tensile Strength. MPa	13.8 min	AS 1683.11
Elongation at break, %	250 min	AS 1683.11
Hardness (IRHD)	59 +/- 5	AS 1683.15.2
Compression Set (72hrs/100°C),%	40 max	AS 1683.13
"Immersion in IRM 903, (72hrs/100°C) Change in Volume, %"	70 max	AS 1683.23
"Ozone Resistance (100pphm/100hrs/20% strain/40°C)"	No Cracks	AS 1683.24
"Low Temperature Stiffening (7day/-10°C) Change in Hardness, IRHD"	0 ~ 15	AS 1683.15.1
Low Temperature Brittleness Test	Non Brittle @ -30°C	ASTM D 746 (B)
PROPERTIES AFTER ACCELERATED AGING IN AIR AT (72HRS / 100°C)		AS 1683.26
Change in Tensile Strength, %	-20 ~ 0	AS 1683.11
Change in Elongation at break, %	-20 ~ 0	AS 1683.11
Change in Hardness, IRHD	10	AS 1683.15.2

SPECIFICATIONS

Part No.	Movement Range (“A”) min. to max. (mm)	Min Installation Gap Width “A” (mm)	M20 Bolt Spacing	Seal Type	Seal Profile
AC-AR-100D	0 – 100	38	200mm	100D	Type "D" – Drape
AC-AR-125D	0 – 125	38	200mm	125D	
AC-AR-100F	20 – 125	40	200mm	100F	Type "F" – Flush 

Notes:

- > AS5100.4 limits the maximum perpendicular gap width across stripseal joints to 85mm. However as noted the Granor seals can safely perform beyond this 85mm limit if required. r All seal types permit up to +/-30mm vertical deflection for short term jacking operations (such as bearing replacement).
- > All seal types have a +/-40mm maximum racking capacity for movement vector component in line with the seals (may be critical for joints on severe skew).
- > Historic seal designations 65D, 75D, 65F, 75F, 125F, are superseded. Please contact Granor if you need advice on the most suitable substitute.

INSTALLATION

GRANOR AUSFLEX P2 ALUMINIUM STRIP SEAL EXPANSION JOINT SYSTEM OPTION 2.

INSTALLATION GUIDE

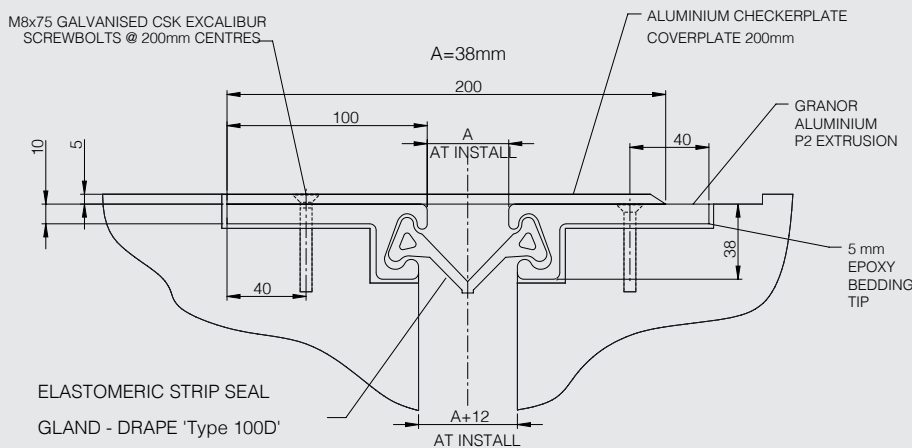
A comprehensive Installation Guide is supplied with every order. So that designers may fully understand the installation process this guide can also be emailed on request (please contact Granor).

INSTALLATION KIT

An Installation Kit can be supplied to cover several alternative standard concepts of installation techniques. In order to optimise installation procedure consultation with Granor is recommended at time of order.

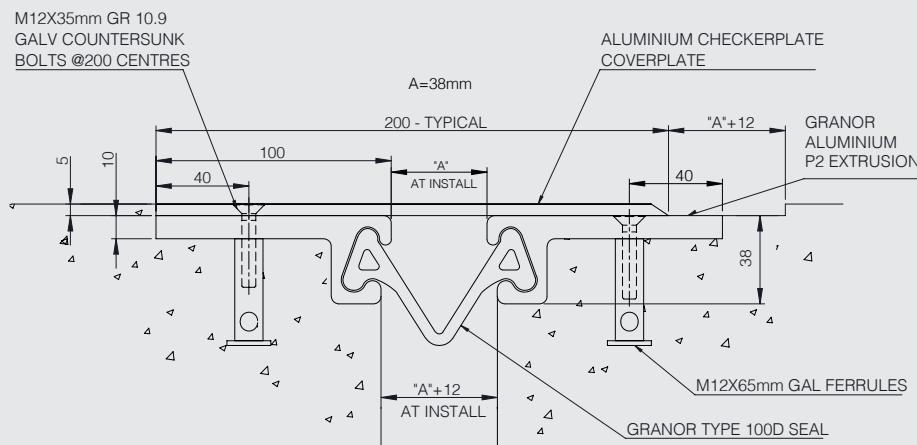
INSTALLATION GAP WIDTH

Installation gap width shown is the optimum between ease of installation, and thereafter both short term and long term expansion and contraction of the deck. Gap width "A" specified should not be less than the values listed, but wider installation gap widths can be used.



GENERAL DETAIL

Granor Ausflex P2-100 cast in aluminium. Strip seal expansion joint system.



GENERAL DETAIL - CROSS SECTION VIEW

Granor Ausflex P2-100d cast in aluminium. Strip seal expansion joint system. N.T.S.

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