Latham Australia Pty Ltd ABN 87 000 502 296
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Inlay Expansion Joint Covers.

Thanks for the enquiry, I thought we should make you aware of some of the issues with inlay joints that have silicon or mastic type inserts in the cover plate. The following pictures show some of the problems that can occur with minimal movement.

Mastic has disappeared eventually the recess will fill with dirt and debris and thermal expansion of the structure is likely to cause the cover to rip off.

These pictures shows the sealant failing badly under minimal movement, causing trip hazards, hygiene issues.

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The following pictures show where the sealant has been depressed by foot traffic causing it to de-bond, this will also cause issues overtime and will eventually cause the cover plate to lift.

The final images shows extreme damage to the paving, this is caused general by the cover plate being to thin for the application and deflection occurring, also it is unlikely a suitable high strength non shrink epoxy bedding compound has been used under the expansion joint cover. In the second lot of photo's

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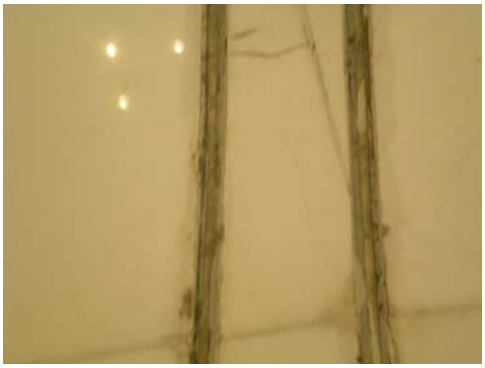
you will see our PAVA Series, where the stone has also cracked, investigations revealed that the stone inlay was not held in please with epoxy as recommended but in fact the inlay was loosely inserted into the tray on top of a foam bedding compound to get the material to finish at the desired height. In this application (Airport), trolley and various shapes and sizes, golf carts and even vehicles continually transverse the joints causing the stone to move, chip and crack.

For these reason and in-particular the problems associated with the sealant or mastic style applications, Latham's have developed the new PAVA and SGAL inlay joints, the newest in the range offers tremendous day to day movement, without de-bonding, sinking of the infill and areas for debris build up offering far better maintenance free results for the client.

The following pictures show a shopping centre where a insert joint was used, these shots have been taken within 1 week of the centre opening, you will note a number of the sealant joints have already



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failed and the cover in places has been boarded up to remove the danger, you will also note the poor dirty finish that is obtained using the sealant insert. This is also a very slow and costly process.

Both the Latham details that follow address this issue, which is generally caused by the fact the structural expansion joint covers are move more that a sealant type joint will allow causing bond failure, this combined with the problems associated with the sealant depressing over time and causing trip hazards and unsightly dirt traps, has prompted Latham to offer their PAVA Series.

See the following details, contact your Latham representative or authorized agent for further detailed information.

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SGAL PAVA Series
Flexible Mechanical Expansion Joint Cover

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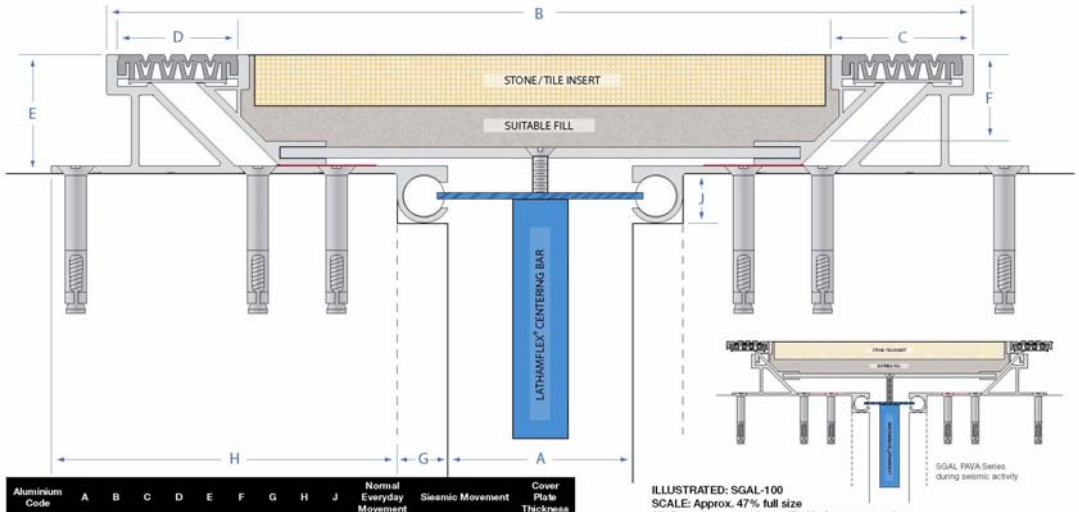

Aluminium Code	A	B	C	D	E	F	G	H	J	Normal Everyday Movement	Seismic Movement	Cover Plate Thickness
SGAL-50	50	418	77	65	65	50	28	185	30	+/-20mm	-30mm/+unlimited	6mm
SGAL-75	75	443	77	65	65	50	28	185	30	+/-20mm	-50mm/+unlimited	6mm
SGAL-100	100	468	77	65	65	50	28	185	30	+/-20mm	-75mm/+unlimited	6mm
SGAL-150	150	518	77	65	65	50	28	185	30	+/-20mm	-125mm/+unlimited	6mm
SGAL-200	200	568	77	65	65	50	28	185	30	+/-20mm	-175mm/+unlimited	6mm
SGAL-250	250	618	77	65	65	50	28	185	30	+/-20mm	-225mm/+unlimited	6mm
SGAL-300	300	668	77	65	65	50	28	185	30	+/-20mm	-275mm/+unlimited	6mm

ILLUSTRATED: SGAL-100
SCALE: Approx. 47% full size
All dimensions are to be verified before construction
Verified By..... Date.....

All mechanical expansion joint fixings by others.
Aluminium fixed members with specified cover plate.
The centering bar consists of two full nylon cylinders fastened at opposite ends of a flat spring steel bar. The bar is positioned diagonally across the joint opening with the cylinders inside the extruded cylindrical tracks.
Design subject to change without notice

PAVA Series HCMC
Flexible Mechanical Expansion Joint Cover

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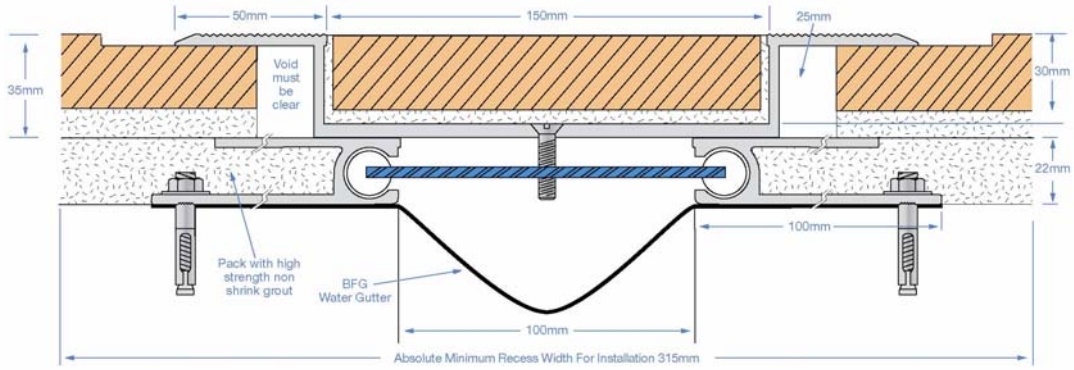
ILLUSTRATED: PAVA Series HCMC
SCALE: Not to scale
All dimensions are to be verified before construction
Verified By..... Date.....



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