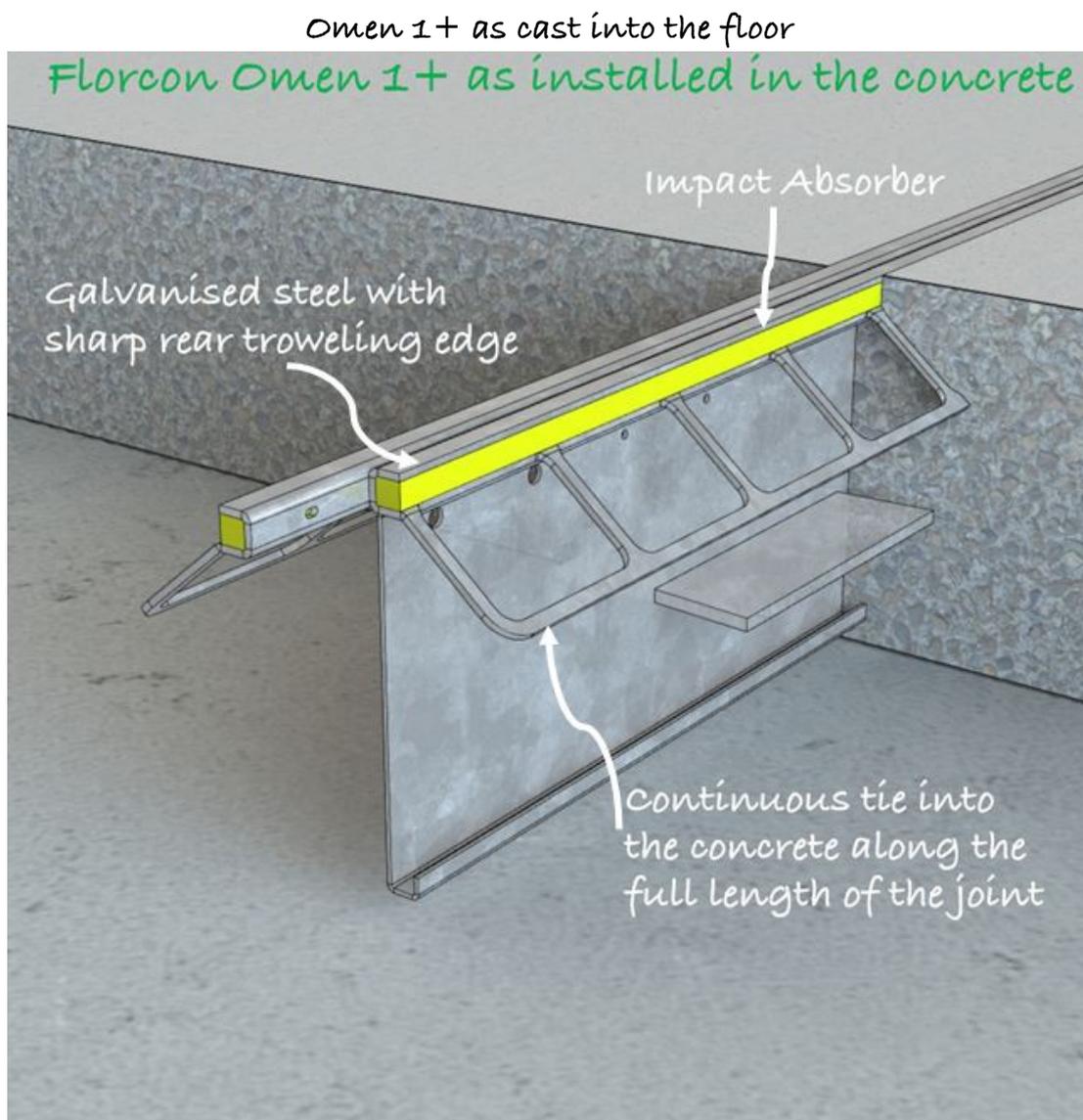


Introducing Omen 1 and Omen 25 Floor Joints, the next generation
of floor joint armouring
European and US Patent Granted



Omen 1 features with a comparison to traditional Armoured joint sections using 40mm x 10mm top strips or a folded top section joint such as Eclipse:-

- Omen 1 has a unique Heavy Duty top section which incorporates a 10mm wide joint armouring top section with a continuous tie-in to the concrete along the full length of the joint.

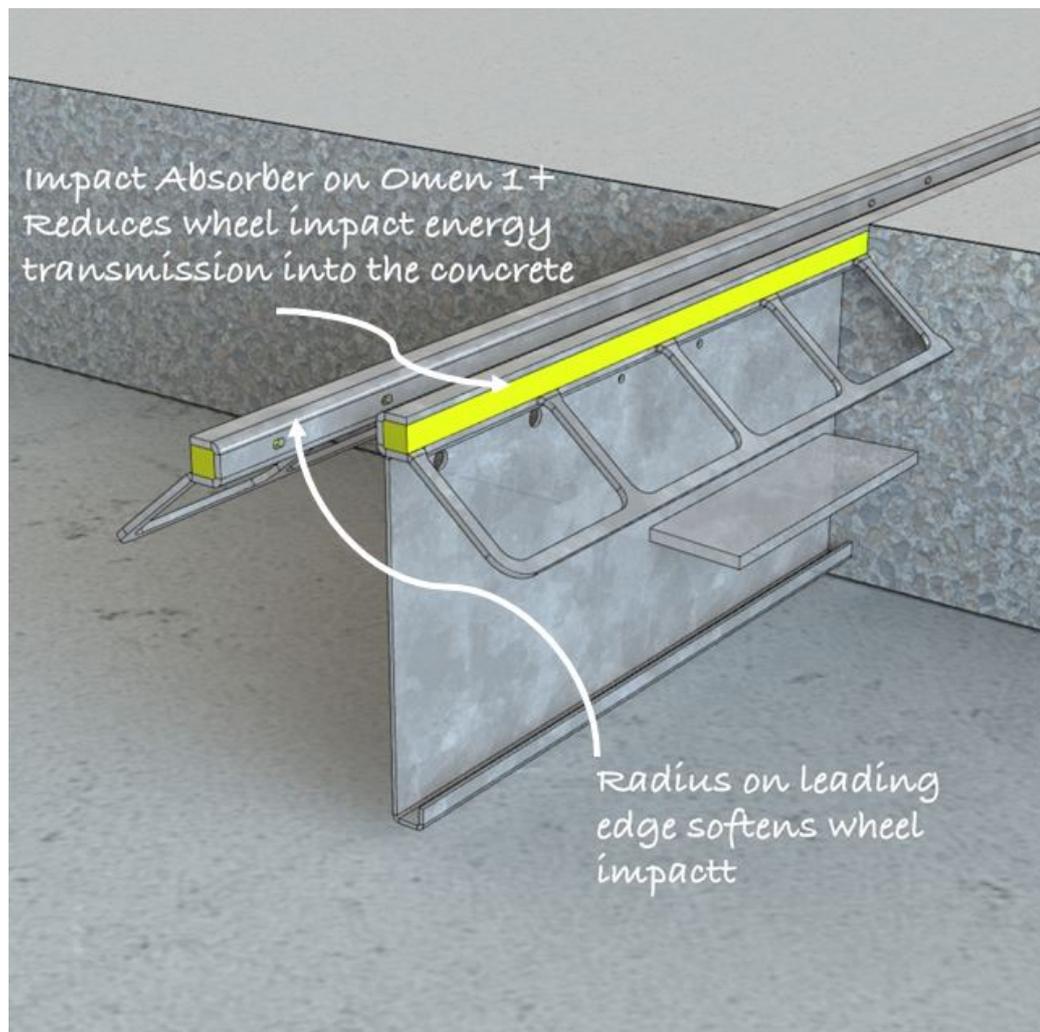
Traditional armoured joint top strips are only tied into the concrete by shear studs at 275mm centre's.

- Omen 1 has a sharp rear edge for easy troweling and concrete finishing and allows a good depth of concrete at the rear edge of the joint.

As traditional armoured joint top strips but superior to folded joint sections such as Eclipse Joint.

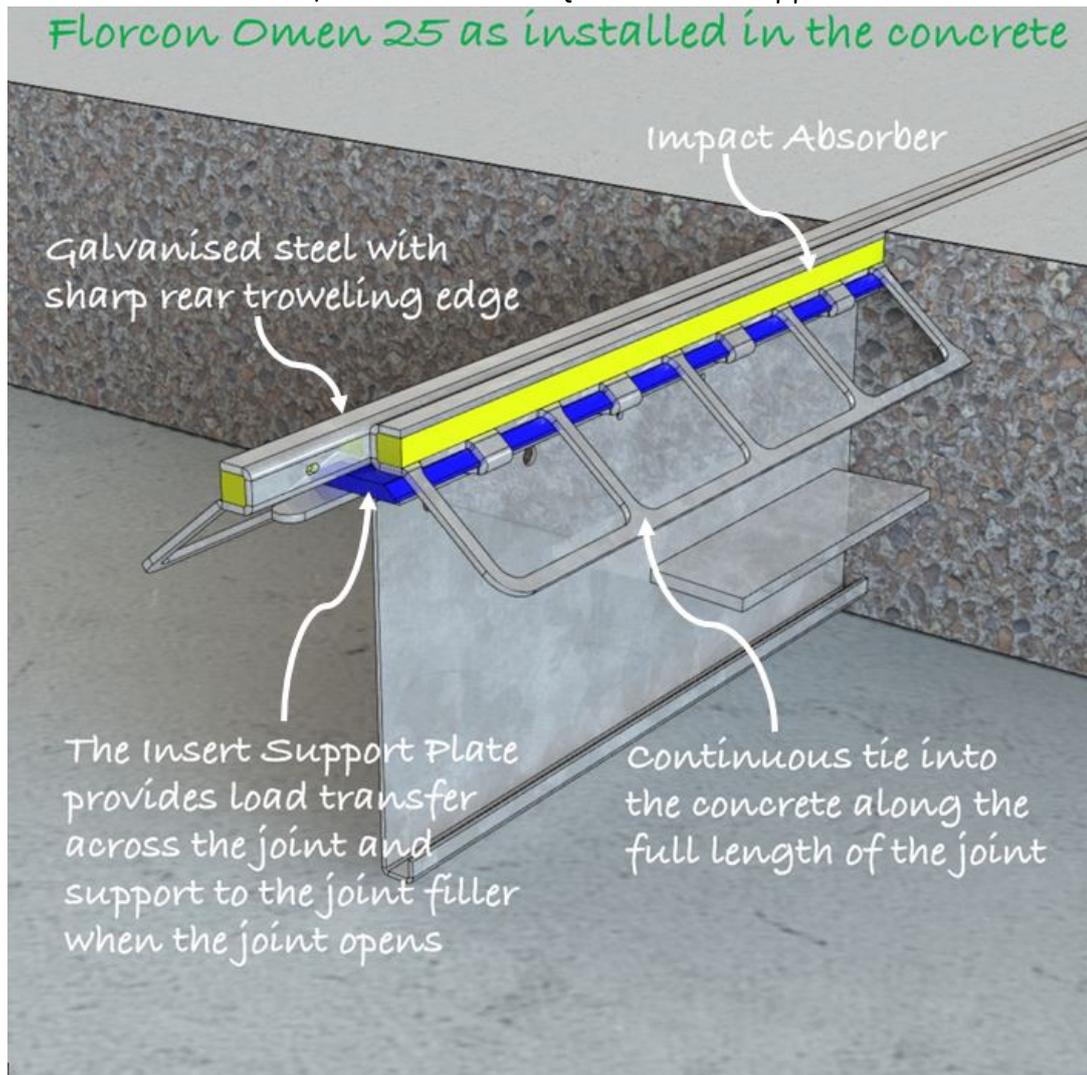
- Omen 1 has a radius on the leading edge which reduces wheel impact. Traditional armoured joint top strips have sharp leading edges which increases impact to the joint and adjacent concrete.
- Omen 1+ has an Insert Shock Absorber in the rear of the joint which reduces wheel impact energy transmission into the concrete. Traditional armoured joint top strips transmits impact energy into the concrete resulting in breakdown of the joint and concrete.
- Omen 1 is made with galvanised steel as standard or Stainless Steel. High extra cost with traditional armoured joint top strips.

Omen 1+ joint open after shrinkage



Omen 25 introduction and features

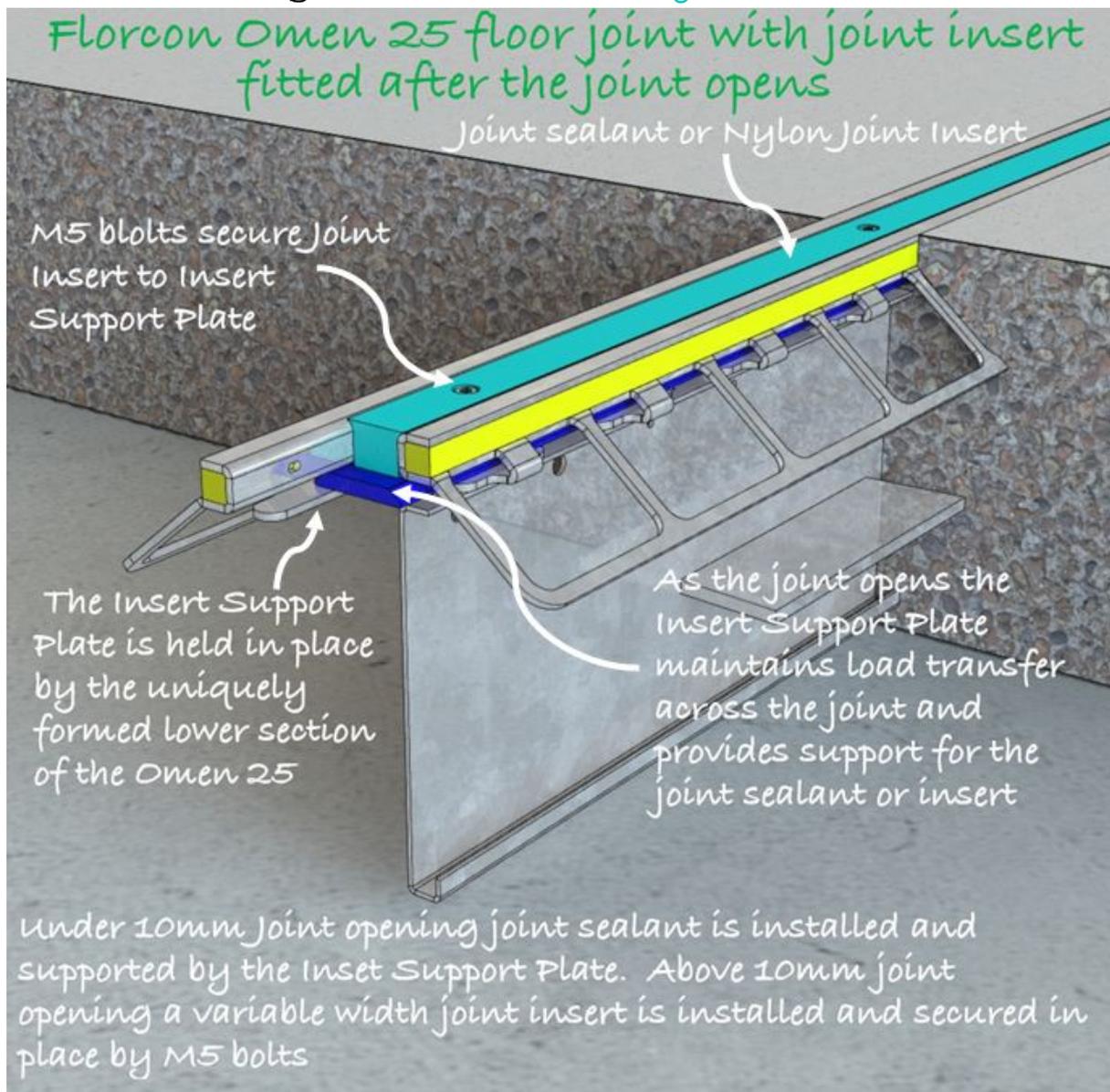
Omen 25 as cast into the floor has a unique Insert Support Plate (shown in blue)



Omen 25 additional features-

- An inbuilt Insert Support Plate (ISP) provides accurate level control across the joint and will support the post installed joint sealant
Traditional armoured and Eclipse joints do not have this feature.
- After the joint opens and the joint filler is installed wheel impact across the joint, which causes the joint and the concrete to the rear of the joint to break down, is reduced.
Traditional armoured and Eclipse joints do not have this feature.
- As the joint opens the Insert Support Plate (ISP) maintains load transfer across the joint, support to the joint sealant and allows a smooth passing of the wheel across the joint.
Traditional armoured and Eclipse joints do not have this feature.

Omen 25 joint open after shrinkage showing Insert Support Plate (shown in Blue) and Joint Insert (shown in Light Blue)



- If the joint opens less than 10mm joint sealant is used. Between 10mm and 25mm joint opening a variable width nylon joint insert is installed and secured by M5 bolts in to the threaded holes in the Insert Support Plate which supports the sealer or joint insert.

Traditional armoured and Eclipse type joints do not support the joint sealant which is forced down by the wheeled traffic into the gap between the joint. This causes impact damage at the joint which is transmitted into the concrete resulting in joint and concrete breakdown.

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