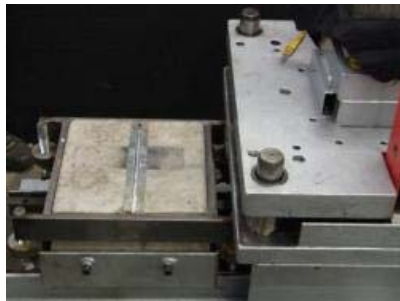


## We always knew it...

Here at the Metalscreed factory, for some time now we have been running tests using our unique Accelerated Wear Test Rig which simulates exactly a Fork Truck Wheel passing over a joint.

We started by placing several concrete test sample sections of a 150mm deep slab (all test samples are a standard 40N/mm<sup>2</sup> Portland Cement mix design @ 80mm slump) with a formed joint gap of 10mm wide under our solid tyre BT Rolatruc fork truck wheel. The wheel had a loading equivalent to that of a 4 wheel, 6 ton total load truck (slightly above the 5.5 ton required) applied and the test began.

The sample joint gaps had no filler in them, other than a sheet of 10mm expandable foam, used to separate the two sections and form the gap, no armouring or steel of any kind was used in forming the joints, except the dowel system required for load transfer, so it was a basic day joint in a 150mm slab that had opened up to a 10mm joint gap.



As you may have expected, no basic sample lasted more than a couple of hundred passes of the wheel before the arris of the slabs had been severely damaged and the test had to be stopped. However, when exactly the same test was carried out using a Metaform Duo to form the joint in the test sample, still with no joint filler and still a 10mm gap, the rig ran for over 11,500 passes before it was stopped, and then only because a crack had formed in the concrete slab on one side of the sample - but there was absolutely no damage to the arris where the fork truck wheel was passing over it! Conclusive proof that our Metaform system greatly extends the life expectancy of the joints in a concrete floor.

Of course there are many more variations of this basic test still to be done, we are currently testing all of our products (as well as those of our competitors), with the intention being to provide a performance and wear expectancy guide on ours and other products - that has been researched under the guidance of Aston University. All of which is great news for the customer, because for the first time they will be able to have provided to them all of this information to be able to make an informed decision on. Which only goes to prove that here at Metalscreed we really do go that extra mile to ensure that our products are the best you can buy!