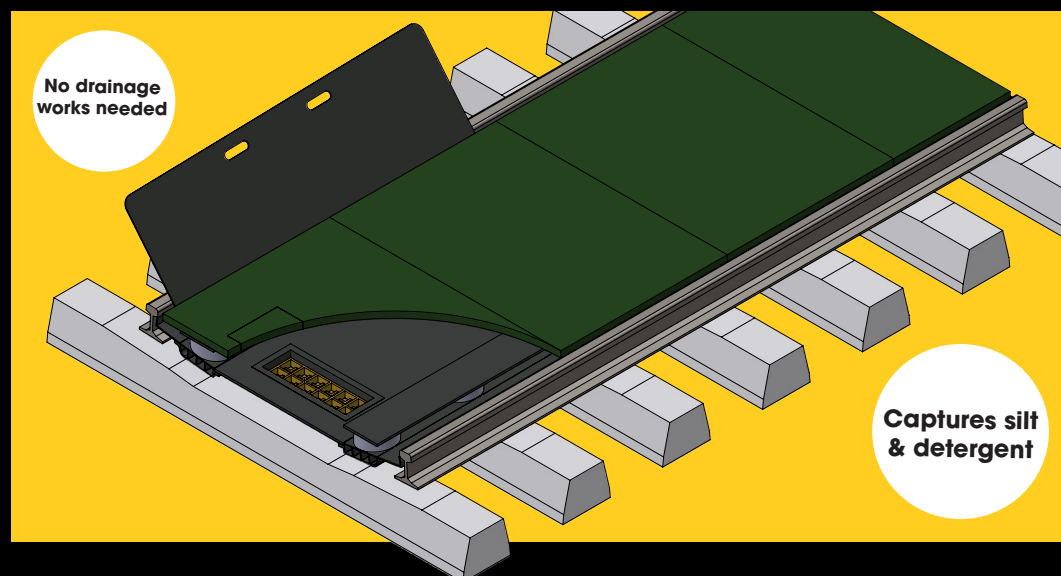


NEW
INNOVATION

Dura Envirosump

Train washing is an essential part of the daily routine for train operating companies. New patent-pending Dura Envirosump (Patent Application No, GB 22 07895.0) has been designed to make the process of managing the excess liquids created by the washing process easier. It can be installed rapidly and efficiently without the need for extensive drainage or infrastructure works.



Introducing the Dura Envirosump System

Dura Envirosump is a fully adjustable modular GRP solution which can be configured to suit all permanent way (P Way) railway track designs. It can be rapidly installed without the need to connect to sleepers or disrupt ballast, and without any requirement for expensive drainage civils work. Made from lightweight but high-strength GRP components which are exclusive to Dura Composites, it minimises the risk of track disturbance both during installation and use.

Designed, manufactured and fabricated from Dura's efficiently designed, non-conductive and chemically resistant d² product range, Dura Envirosump captures wash water without compromising on safety, allowing train operators to adhere to local regulations. Residues created during the train wash process such as dust, mud, and detergents are removed from the surface and captured within a secure silt-container section of the capture tray, ready for emptying.

Access to the sump area is by way of a secure railway carriage key mechanism. This allows for simple operation by authorised cleaning and maintenance depot staff to ensure that the frequency of train wash operations can be easily maintained.



A Level Walking Surface to Promote Safety

Dura Envirosump has been designed as a structural system which meets the 5kN UDL load requirement for walkways and allows depot operatives to move around with ease and safety. The system features an in-built fall which directs water and debris into the capture tray. This fall is then countered by our cleverly designed GRP profile sections, which allow for a level d² Dura Grating walkway surface to be added.

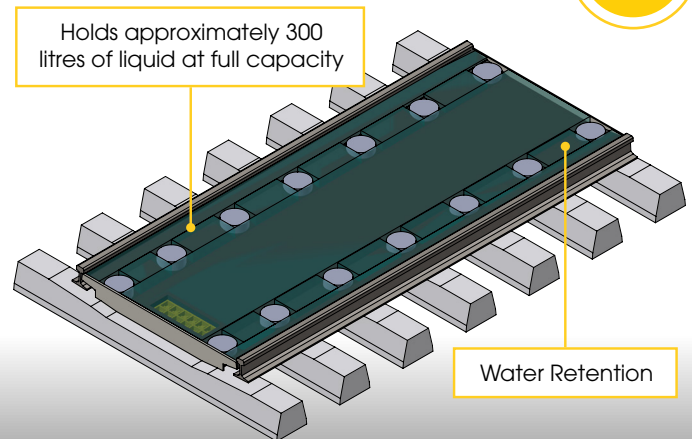
With tens of thousands of square metres already installed on the network, d² Dura Grating is unique GRP flooring and walkway product that offers the best performance-to-weight ratio in the industry. It is up to 33% lighter than other GRP grating and around 45% lighter than a steel grating equivalent, making it faster and easier to deploy, reducing time and costs whilst also improving safety and sustainability.



Harnessing Existing Vacuum Technology

Unlike previous systems on the market, Dura Composites' solution holds up to 300 litres of water as standard which can be regularly emptied using the existing mobile CET (Controlled Emission Toilet) extraction stations, or those distributed along the train track, for maximum efficiency.

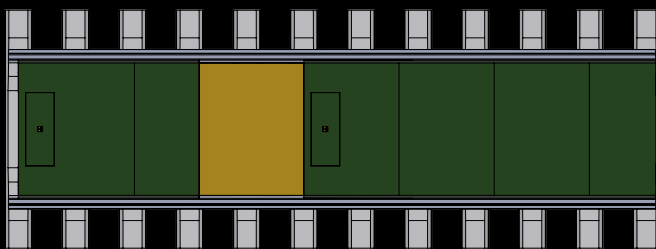
The sump capacity can be varied to suit individual requirements where more or less water may be present. The CET hose or other vacuum solutions can be easily connected to the extraction attachment of the Dura Envirosump and the cycle performed to facilitate the safe and hygienic disposal of the liquids in the capture tray.



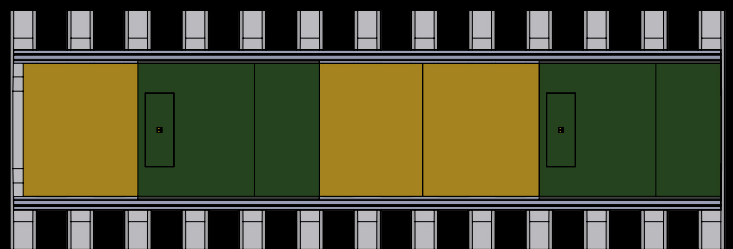
Integration with Existing Trackside Walkways

Each modular 3.6 metre section of Dura Envirosump can be rapidly installed and is easily adjustable to different tracks, curvatures, and the contours of a range of rolling stock profiles. All components weigh less than 50kgs, meeting 2-man manual handling requirements.

For easy demarcation, the d² Dura Grating walkway surface of Dura Envirosump is supplied in green colour as standard, so that stop points can easily be located by train drivers against the yellow run of existing d² Dura Grating trackside walkways and Dura Driver Access Platforms.



London End



Buffer End



A Sustainable Choice

With a design life of 60 years and a clever weight-reducing design, Dura Envirosump is playing its part in helping to reduce the carbon impact on the environment.

As part of its commitment to environmental sustainability, Dura Composites also operates a sister company called Dura Upcycling Ltd which takes advantage of the inherent durability and other properties of our materials and encourages their re-use and re-purposing wherever possible.

We are an ISO certified company that actively supports and works to the quality and environmental systems of ISO 9001 and 14001. We are also ROSPA gold winners and holders of the Queen's Award for Enterprise Innovation.

duraTM
composites

