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permaban®
protecting concrete floors worldwide

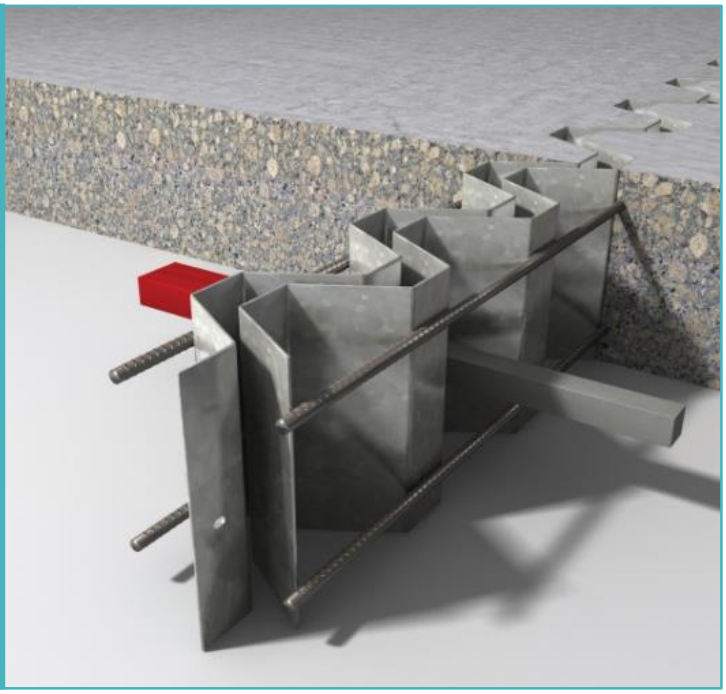
Technical Application Guide

Application
Waste treatment plants

Application challenges

- Very heavy duty application.
- Constant trafficking of the joint.
- Tracked vehicles, heavily loaded.
- Front-loading buckets scraping across floor and joint.
- Risk of tracks and buckets ripping traditional strip-style joints out of the concrete.
- High likelihood of joint impact damage.
- Potential for substances leaching into the ground.

Product
Permaban Signature



Product benefits and suitability

- Permaban Signature is entirely set down into the ground – no surface-level protrusions for tracks or buckets to catch on.
- The 2mm thin metal shapes the concrete so it does not need protection. When subject to scraping it abrades at the same rate as the surrounding concrete.
- Half-hexagon design completely prevents track or wheel impact when vehicles cross the joint.
- Galvanised as standard – resists water and chemical damage and will not rust.
- Allows excellent concrete compaction behind the joint, for a durable installation.
- Integral dowels allow load transfer between slab sections (refer to specification sheet).
- Minimal future joint maintenance required.

For more information: https://bit.ly/2MH34CC

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Technical Application Guide: Waste Transfer Plants – Permaban Signature

Installation advice

- Recommended slab specification: steel fibre reinforced concrete (SFRC).
- Suggested RCR systems:
    - RCR Conductil SFRC
    - RCR Conductil VRS
    - RCR Industries

For more information: https://bit.ly/2KvltzF

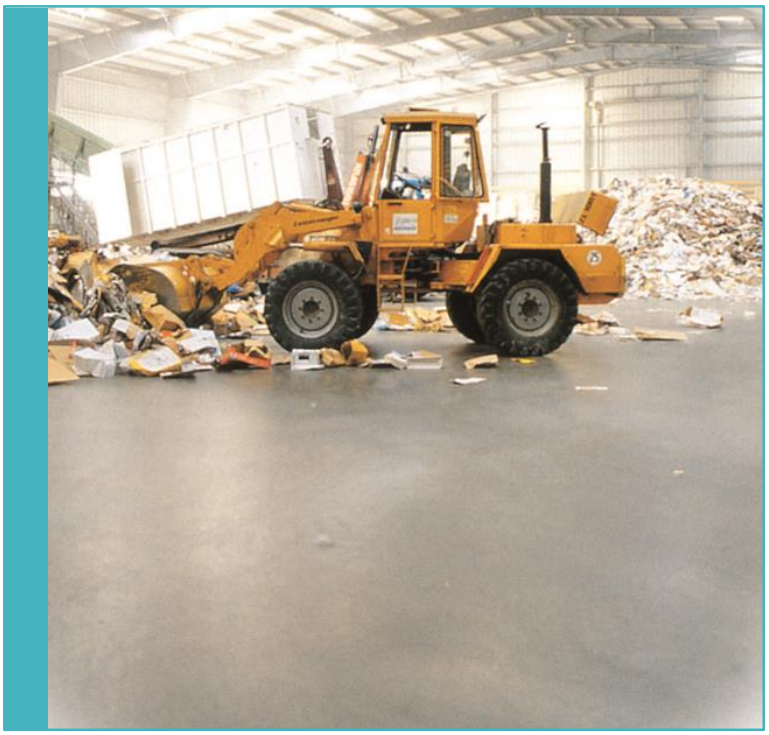
Complementary products

- Where there is a risk of substances leaching into the ground, we advise that the joint should be filled with a flexible joint sealant and backer rod – for example:
    - ROC Ethafoam
    - ROC Joint PU 920/925

For more information: https://bit.ly/2WoOrZk

- For added surface durability, apply a surface hardener such as Rocland Qualitop Millenium or Qualitop Titanium. For optimum durability apply as a wet-on-wet slurry.

For more information: https://bit.ly/2QPL2g9



Issue 2: November 2019

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