

Sika products selected for major upgrade of Cadbury's manufacturing plant in Dunedin

Confectionery giant, Cadbury is spending \$51 million on its Dunedin factory as part of its plans to develop specialist manufacturing centres of excellence, where each factory specialises in the production of specific chocolate products. When complete, Cadbury Dunedin will produce the chocolate assortment range for the entire New Zealand and Australian market.

The Cadbury in-house project team and consultants, Hanlon & Partners, invited Sika (NZ) Ltd to provide industrial flooring solutions to meet the challenging project demands. As installation had to be carried out adjacent to production areas, the selected flooring had to be taint and odour free.

The settle area of the caramel plant has to withstand the very high temperatures used in the caramel manufacturing process and during the cleaning of the area. The existing steel deck was overlaid with a new concrete topping, containing Sika admixtures, which gave high early strength with minimum shrinkage. Following seven days of concrete cure, local approved Sika contractors, Adhesion

Sealing Ltd, applied Sikafloor-81 EpoCem as a temporary moisture barrier. To provide the high-temperature, chemical, and abrasion resistance required, Sikafloor-20 PurCem (Sika's new generation polyurethane flooring) was chosen.

Adhesion Sealing Ltd was able to install the Sikafloor-20 PurCem just 24 hours after the EpoCem was laid. This meant that the installation of the new Sika flooring occurred within eight days of the concrete being laid. Without the use of EpoCem, the flooring would not have been able to be installed until the concrete had properly dried out and this would have taken at least four weeks, or perhaps even longer.

General manufacturing and packing areas also presented challenges. The first floor manufacturing areas required a smooth floor finish to allow easy cleaning, but needed to be attractive and durable. In particular, the floor colour had to match a specially selected Cadbury green colour. As a further complication, the concrete floor surface had to be strengthened and reinforced with Sikafloor 91 and fibreglass prior to installation of the final coating. Sikafloor 261, which can be tinted to



any colour, was installed in this area by Adhesion Sealing Ltd.

Second floor manufacturing areas were resurfaced by specialist Sika approved flooring contractor, New Zealand Specialised Coatings Ltd using Sikafloor-21 PurCem, a very smooth high temperature/high performance flow-applied floor screed.

If you want to see the upgrade in action Sika suggests you catch the next Cadbury World tour at the Dunedin factory.

For more information contact: Sika (NZ) Ltd, Freephone: 0800 SIKAZ (0800 745 269), Email: info@nz.sika.com or visit: www.sika.co.nz

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